

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

08/19/2011

Ryan Mingo
Assistant District Attorney, Suffolk County

Dear ADA Mingo,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]
Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Kate Corbett.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Kate Corbett was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan".

Annie Dookhan
Chemist II
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6631

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

*Maintenance and repairs of all analytical instruments.

*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

*Oversee the Quality Control/Quality Assurance program for the Drug Lab.

*Writing, revising and reviewing Standard Operating Procedures (SOPs) and Protocols.

*Notary Public.

*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

*Writing, revising and reviewing Standard Operating Procedures (SOPs).

*Trained and supervised new chemists and interns for the department.

*Routine QC testing of products for the FDA.

*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

*Complete testing of chemicals for Vendor Validation Project for the FDA.

*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP training with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS trainings with Agilent Technologies and Restek.

HPLC and LC/MS/MS trainings with Waters Cooperation.

FTIR training with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Kate A. Corbett

Education

Bachelor of Science Degree, CHEMISTRY May 2003

MERRIMACK COLLEGE

Coursework included: Organic Chemistry, Inorganic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus

Employment

Chemist II State Laboratory Institute (March 2008-Present)

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance and trafficking substances to determine violation of the Massachusetts drug laws
- Responsible for the identification of pharmaceuticals to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation, microscopes and balances for forensic drug analysis

Chemist I State Laboratory Institute (2005-March 2008)

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation for the purpose of performing forensic drug analysis
- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
- Appointed an assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2005.

Research Associate (September 2003 – August 2005)

SENSOR TECHNOLOGIES, INC - Shrewsbury, MA

- Prepared chemistries used in making sensor beads
- Generated and examined sensors employing fluorescence spectroscopy
- Performed protein, dye and sugar assays using UV/VIS spectrophotometry
- Carried out titrations on ricin using fluorescence correlation spectroscopy
- Statistical analysis of experimental data

Intern (March 2003 – August 2003)

MASSACHUSETTS STATE POLICE CRIME LABORATORY - Sudbury, MA

- Assisted in the gathering of case files to fulfill the National Institute of Justice's No Suspect Backlog Reduction Grant
- Observed in the Evidence, Criminalistics, DNA, Drug, Trace, Toxicology, and Bomb/Arson Units

DRUG RECEIPTCC # [REDACTED]
BOOK # 63
PAGE # 107
DESTRUCTION # _____District/Unit A1 DCU
Name & Rank of Arresting Officer S/D Swan et al ID# _____

DEFENDANT'S NAME	ADDRESS	CITY	STATE
[REDACTED]	[REDACTED]	Dor	MA
[REDACTED]	[REDACTED]	Essex	MA
[REDACTED]	[REDACTED]	Arlington	MA

DESCRIPTION OF ITEMS SUBMITTED	GROSS QUANTITY	GROSS WEIGHT	LAB USE ONLY
			ANALYSIS NUMBER
Heroin	1 P/B	2.66g	[REDACTED]
Heroin	1 P/B	2.23g	
Heroin	1 P/F	2.106g	
Crack Cocaine	1 Loose Rock	1.94g	
Crack Cocaine	Rock inside Glass Tube	8.85g	
Crack Cocaine	Loose Rock	1.95g	

To be completed by ECU personnel onlyName and Rank of Submitting Officer [Signature] ID# 9370Received by [Signature] Date 11-10-10

ECU Control # _____

No. [REDACTED] Date Analyzed: 12/16/10
City: Boston D.C.U. Police Dept.
Officer: P.O. Diana Lopez
Def: [REDACTED]
Amount: Subst: SUB
No. Cont: 1 Cont: pb
Date Rec'd: 11/10/2010 No. Analyzed:
Gross Wt.: 2.61 Net Weight: 0.07
Tests: 4AS
• 2CAC
Prelim: Heroin Findings: Heroin

No. [REDACTED] Date Analyzed: 12/16/10
City: Boston D.C.U. Police Dept.
Officer: P.O. Diana Lopez
Def: [REDACTED]
Amount: Subst: SUB
No. Cont: 1 Cont: pb
Date Rec'd: 11/10/2010 No. Analyzed:
Gross Wt.: 2.23 Net Weight: 0.21
Tests: 4AS
• 2CAC
Prelim: Heroin Findings: Heroin

No. [REDACTED] Date Analyzed: 12/16/10
City: Boston D.C.U. Police Dept.
Officer: P.O. Diana Lopez
Def: [REDACTED]
Amount: Subst: SUB
No. Cont: 1 Cont: paper fold
Date Rec'd: 11/10/2010 No. Analyzed:
Gross Wt.: 2.66 Net Weight: 0.02
Tests: 4AS
• 2CAC
Prelim: Heroin Findings: Heroin

No. [REDACTED] Date Analyzed: 12/16/10
City: Boston D.C.U. Police Dept.
Officer: P.O. Diana Lopez
Def: [REDACTED]
Amount: Subst: SUB
No. Cont: 1 Cont: pb
Date Rec'd: 11/10/2010 No. Analyzed:
Gross Wt.: 1.94 Net Weight: 0.01
Tests: 6 ASD
26AC
Prelim: cocaine (C) Findings: Cocaine

No. [REDACTED] Date Analyzed: 12/16/10
City: Boston D.C.U. Police Dept.
Officer: P.O. Diana Lopez
Def: [REDACTED]
Amount: Subst: RES
No. Cont: 1 Cont: pipe
Date Rec'd: 11/10/2010 No. Analyzed:
Gross Wt.: 8.85 Net Weight: 0.06
Tests: 6 ASD
26AC
Prelim: cocaine (C) Findings: Cocaine

No. [REDACTED] Date Analyzed: 12/16/10
City: Boston D.C.U. Police Dept.
Officer: P.O. Diana Lopez
Def: [REDACTED]
Amount: Subst: SUB
No. Cont: 1 Cont: pb
Date Rec'd: 11/10/2010 No. Analyzed:
Gross Wt.: 1.95 Net Weight: 0.01
Tests: 6 ASD
26AC
Prelim: cocaine (C) Findings: Cocaine

DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Boston ANALYST AS2

No. of samples tested: Evidence Wt.

PHYSICAL DESCRIPTION:

Beige powdered substance
17 pps

Gross Wt (): 0.2667

Gross Wt ():

Pkg. Wt:

Net Wt: 0.0737

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate (+)

Marquis +

Froehde's +

Mecke's +

Microcrystalline Tests

Gold
Chloride

TLTA ()

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS Heroin

DATE 12-14-10

GC/MS CONFIRMATORY TEST

RESULTS Heroin

MS
OPERATOR KAC

DATE 12-16-10

DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Boston ANALYST ADD

No. of samples tested:

Evidence Wt.

PHYSICAL DESCRIPTION:

Beige chunky substance
in 1 pb

double bagged

Gross Wt (): 0.3133

Gross Wt ():

Pkg. Wt:

Net Wt: 0.2140

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate (+)

Marquis +

Froehde's +

Mecke's +

Microcrystalline Tests

Gold
Chloride

TLTA ()

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS Heroin

DATE 12-14-10

GC/MS CONFIRMATORY TEST

RESULTS Heroin

MS
OPERATOR KAC

DATE 12-16-10

DRUG POWDER ANALYSIS FORM

SAMPLE # AGENCY Boston ANALYST ASJ

No. of samples tested: Evidence Wt.

PHYSICAL DESCRIPTION:

Beige powdered substance
in 1 paper fold

Gross Wt (): 0.7310

Gross Wt ():

Pkg. Wt:

Net Wt: 0.0229

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate (+)

Marquis +

Froehde's +

Mecke's +

Microcrystalline Tests

Gold
Chloride

TLTA ()

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS Heroin

DATE 12-14-10

GC/MS CONFIRMATORY TEST

RESULTS Heroin

MS
OPERATOR KAC

DATE 12-16-10

DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Boston ANALYST ASN

No. of samples tested: _____ Evidence Wt. _____

PHYSICAL DESCRIPTION:

off white chunky substance
in 1pb
loose

Gross Wt (): _____

Gross Wt (): _____

Pkg. Wt: _____

Net Wt: 0.6161

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate (-) +

Marquis _____

Froehde's

Mecke's

Microcrystalline Tests

Gold
Chloride +

TLTA (-) +

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS cocaine

DATE 12-14-10

GC/MS CONFIRMATORY TEST

RESULTS cocaine

MS
OPERATOR 109C

DATE 12-16-10

DRUG POWDER ANALYSIS FORM

SAMPLE # AGENCY Boston ANALYST ASJ

No. of samples tested:

Evidence Wt.

PHYSICAL DESCRIPTION:

off white chunky substance
in 1 pipe

Gross Wt (): 5.0991

Gross Wt ():

Pkg. Wt:

Net Wt: 0.0696

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate (-) +

Marquis -

Froehde's -

Mecke's -

Microcrystalline Tests

Gold
Chloride +

TLTA (-) +

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS cocaine

DATE 12-14-10

GC/MS CONFIRMATORY TEST

RESULTS cocaine

MS
OPERATOR KAC

DATE 12-16-10

DRUG POWDER ANALYSIS FORM

SAMPLE # AGENCY Boston ANALYST AS?

No. of samples tested: Evidence Wt.

PHYSICAL DESCRIPTION:

off white chunky substance
in 1 pb

loose

Gross Wt ():

Gross Wt ():

Pkg. Wt:

Net Wt: 0.0186

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate (-) +

Marquis -

Froehde's -

Mecke's -

Microcrystalline Tests

Gold
Chloride +

TLTA (+) +

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS cocaine

DATE 12-14-10

GC/MS CONFIRMATORY TEST

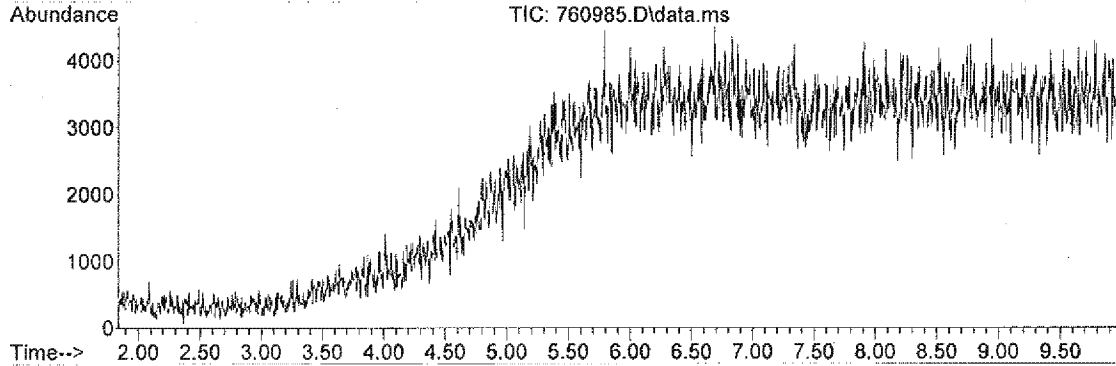
RESULTS cocaine

MS
OPERATOR KAC

DATE 12-16-10

Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760985.D
Operator : KAC
Date Acquired : 16 Dec 2010 5:58
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE

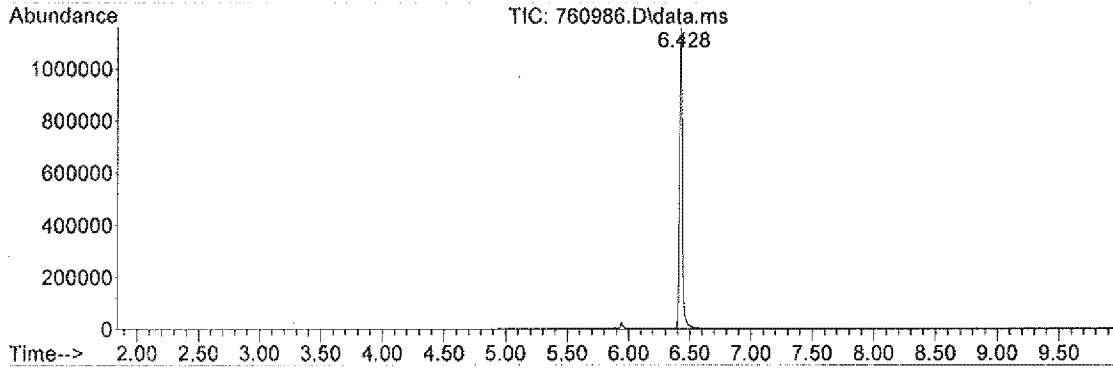


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760986.D
 Operator : KAC
 Date Acquired : 16 Dec 2010 6:11
 Sample Name : HEROIN STD
 Submitted by :
 Vial Number : 86
 AcquisitionMeth: DRUGS.M
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.428	1700110	100.00	100.00

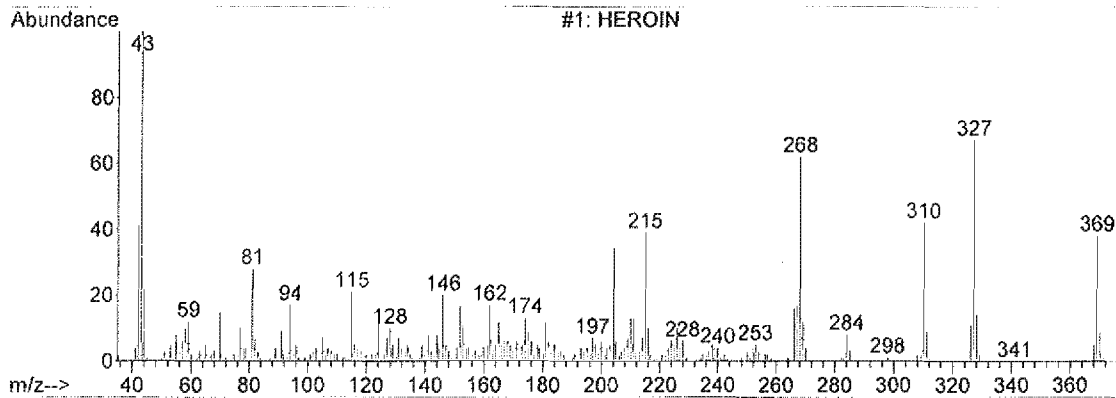
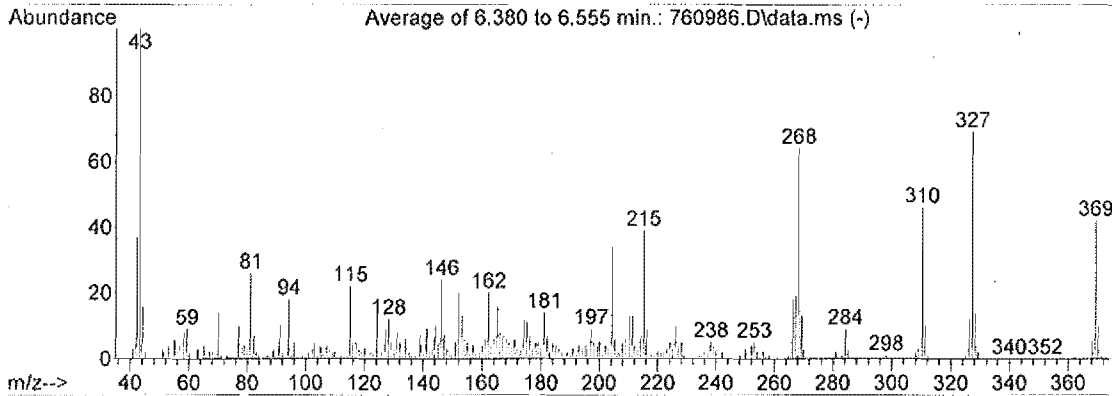
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760986.D
 Operator : KAC
 Date Acquired : 16 Dec 2010 6:11
 Sample Name : HEROIN STD
 Submitted by :
 Vial Number : 86
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

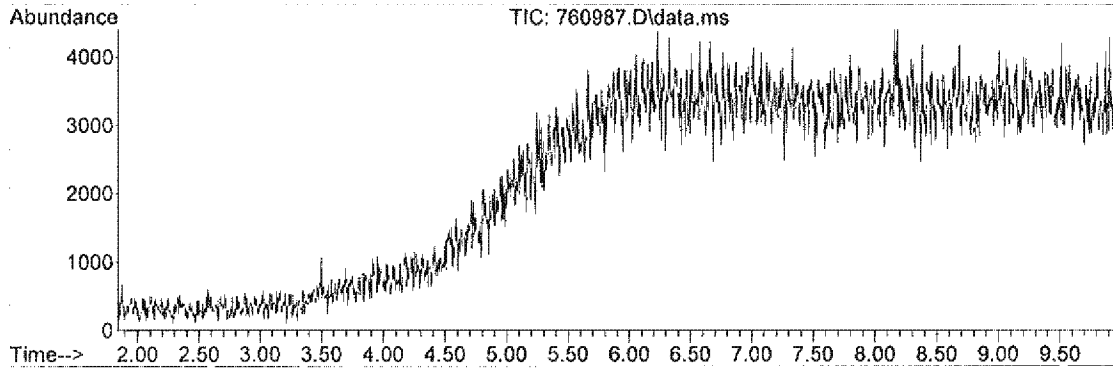
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	6.43	C:\Database\SLI.L		
		HEROIN	000561-27-3	99
		JWH-073	208987-48-8	4



Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760987.D
Operator : KAC
Date Acquired : 16 Dec 2010 6:24
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE

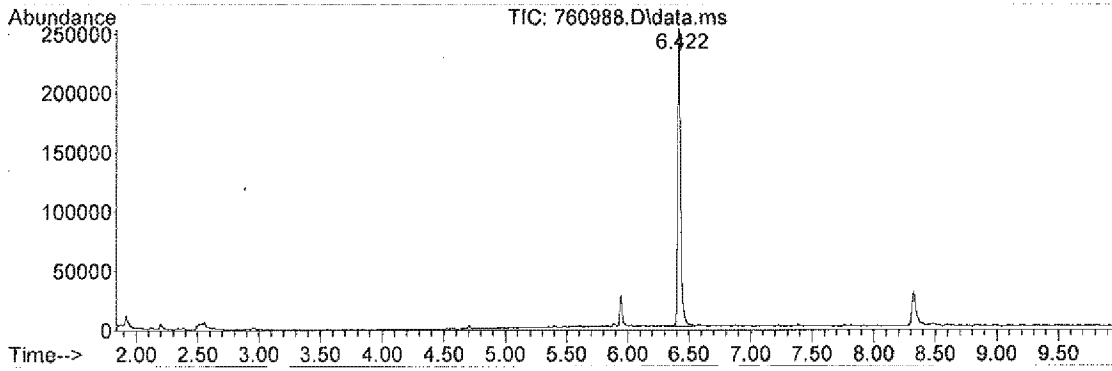


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760988.D
 Operator : KAC
 Date Acquired : 16 Dec 2010 6:36
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 88
 AcquisitionMeth: DRUGS.M
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.422	401881	100.00	100.00

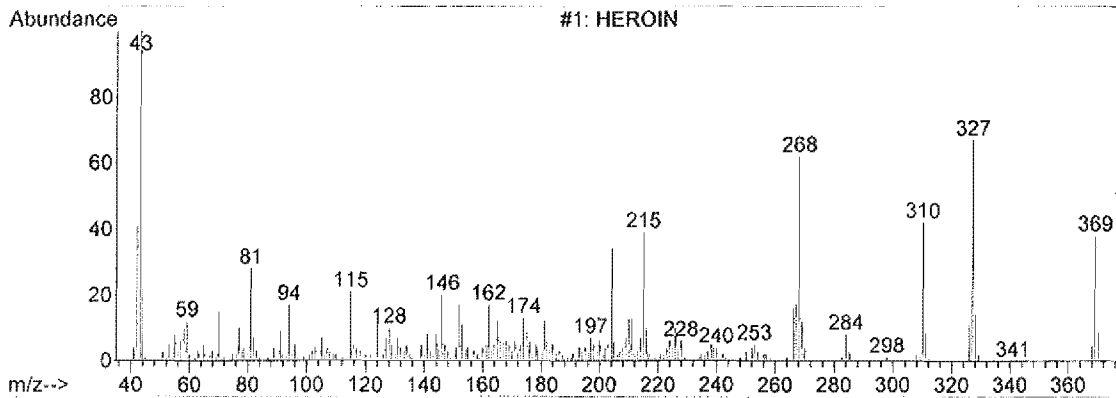
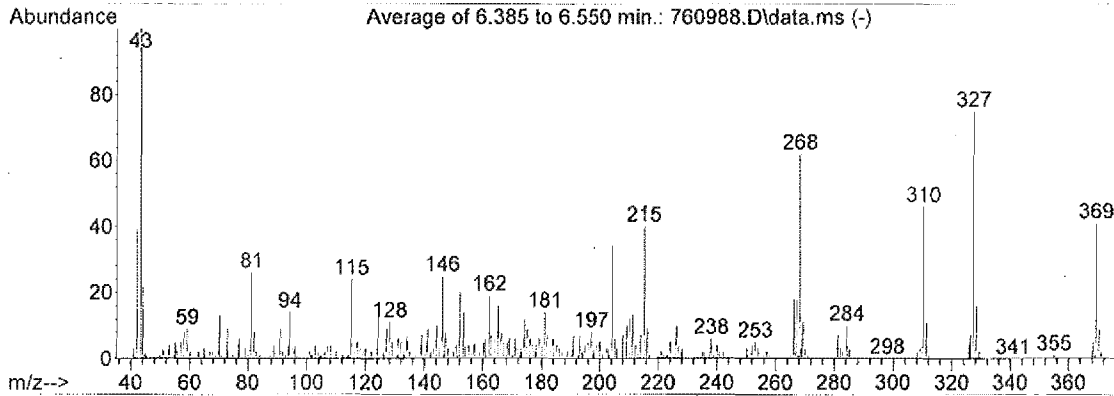
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760988.D
 Operator : KAC
 Date Acquired : 16 Dec 2010 6:36
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 88
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

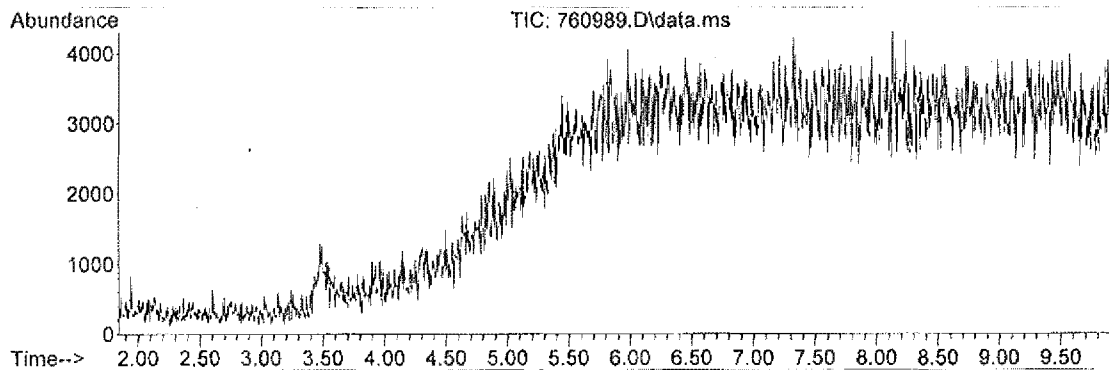
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	6.42	C:\Database\SLI.L HEROIN	000561-27-3	99



Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760989.D
Operator : KAC
Date Acquired : 16 Dec 2010 6:49
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE

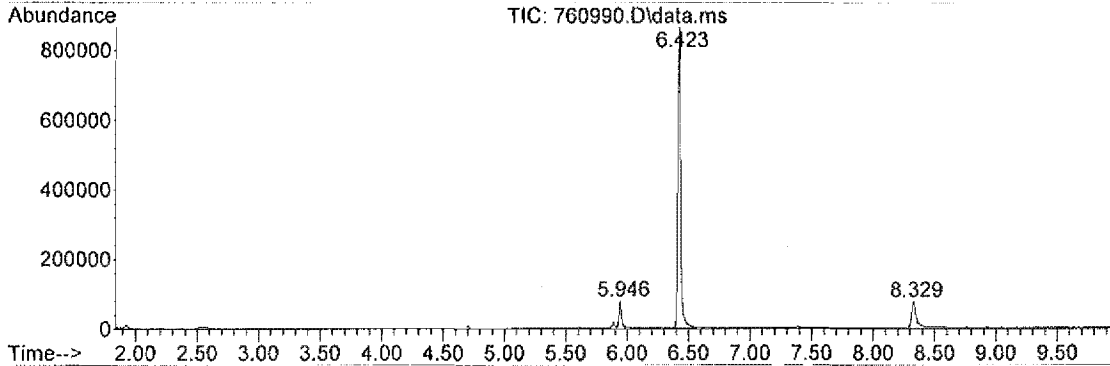


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760990.D
Operator : KAC
Date Acquired : 16 Dec 2010 7:01
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 90
AcquisitionMeth: DRUGS.M
Integrator : RTE



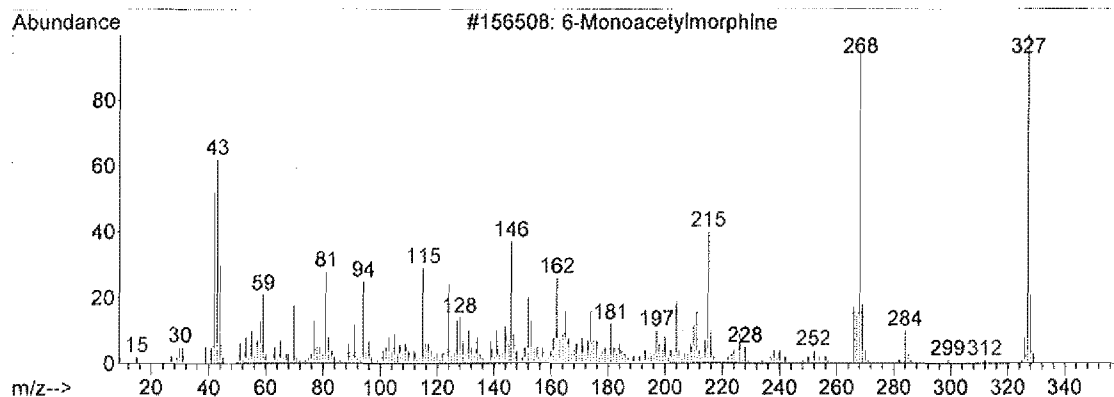
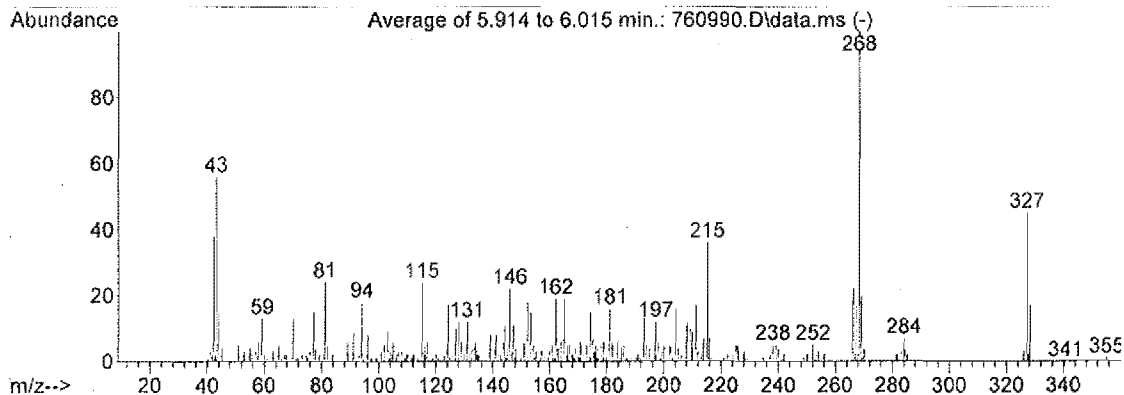
Ret. Time	Area	Area %	Ratio %
5.946	105526	6.56	8.08
6.423	1305815	81.12	100.00
8.329	198371	12.32	15.19

Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760990.D
Operator : KAC
Date Acquired : 16 Dec 2010 7:01
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 90
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	5.95	C:\Database\NIST08.L		
		6-Monoacetylmorphine	002784-73-8	99
		6-Monoacetylmorphine	002784-73-8	99
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Information from Data File:

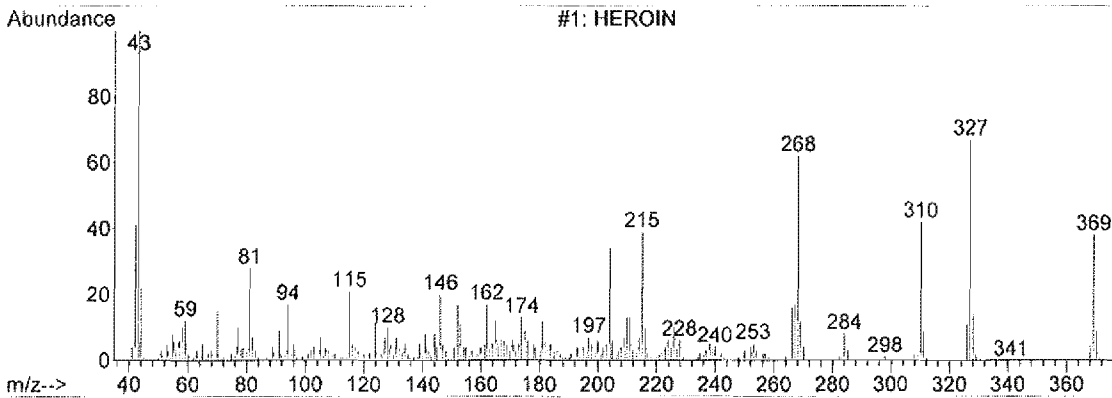
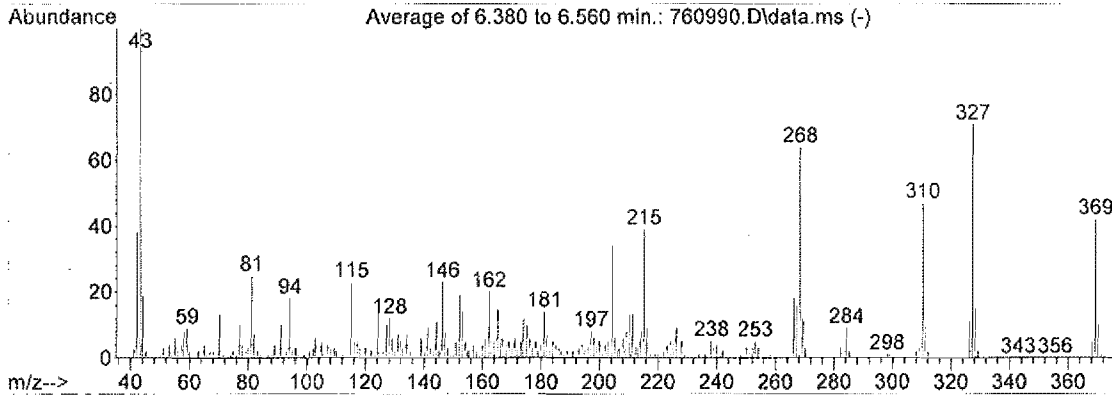
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File Name       : F:\Q4-2010\SYSTEM7\12_15_10\760990.D
Operator        : KAC
Date Acquired   : 16 Dec 2010   7:01
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 90
AcquisitionMeth : DRUGS.M
Integrator      : RTE
    
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Search Libraries: C:\Database\SLI.L           Minimum Quality: 80
                  C:\Database\NIST08.L        Minimum Quality: 80
                  C:\Database\PMW_TOX2.L
    
```

PK#	RT	Library/ID	CAS#	Qual
2	6.42	C:\Database\SLI.L		
		HEROIN	000561-27-3	99
		JWH-073	208987-48-8	4

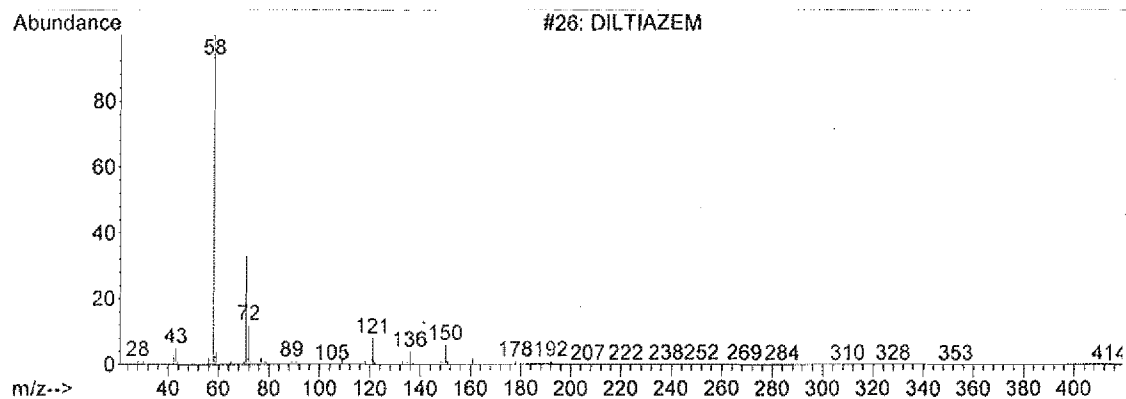
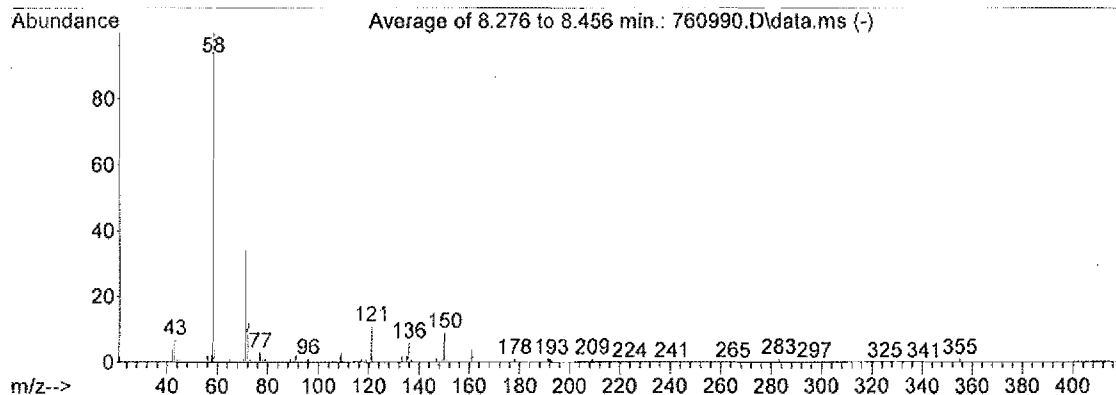


Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760990.D
Operator : KAC
Date Acquired : 16 Dec 2010 7:01
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 90
AcquisitionMeth: DRUGS.M
Integrator : RTE

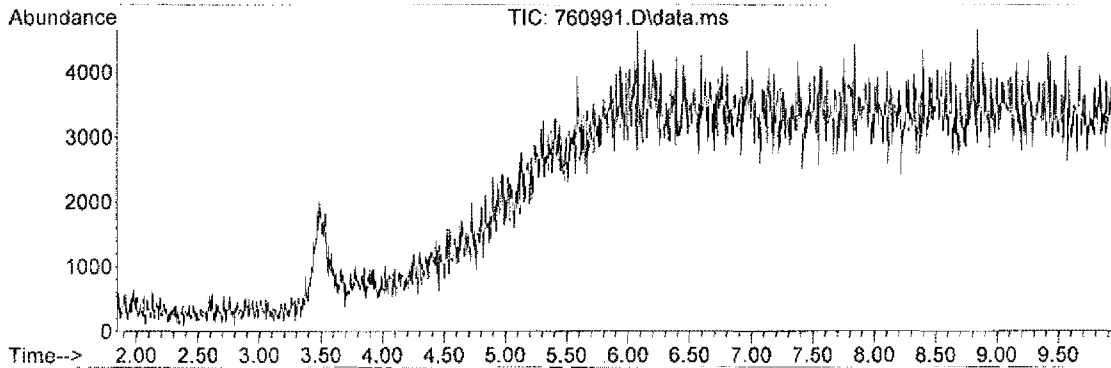
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	8.33	C:\Database\SLI.L		
		DILTIAZEM	033286-22-5	91
		CITALOPRAM	059729-33-8	25
		CITALOPRAM	059729-33-8	9



Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760991.D
Operator : KAC
Date Acquired : 16 Dec 2010 7:14
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE



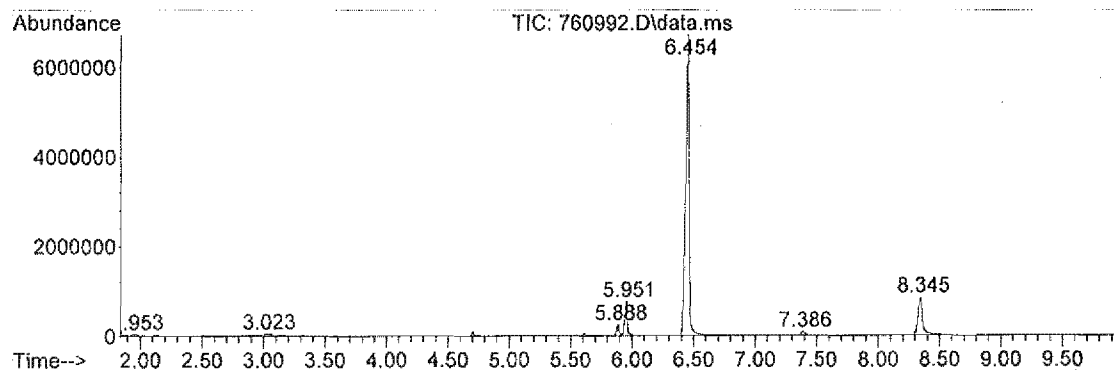
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760992.D
 Operator : KAC
 Date Acquired : 16 Dec 2010 7:27
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 92
 AcquisitionMeth: DRUGS.M
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
1.953	109498	0.64	0.84
3.023	103605	0.61	0.79
5.888	355855	2.08	2.72
5.951	1072232	6.26	8.20
6.454	13076047	76.37	100.00
7.386	190536	1.11	1.46
8.345	2214986	12.94	16.94

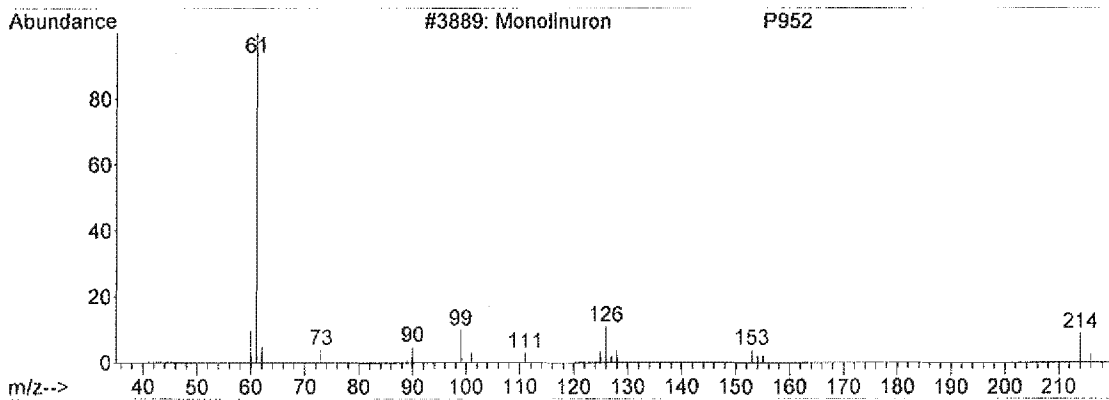
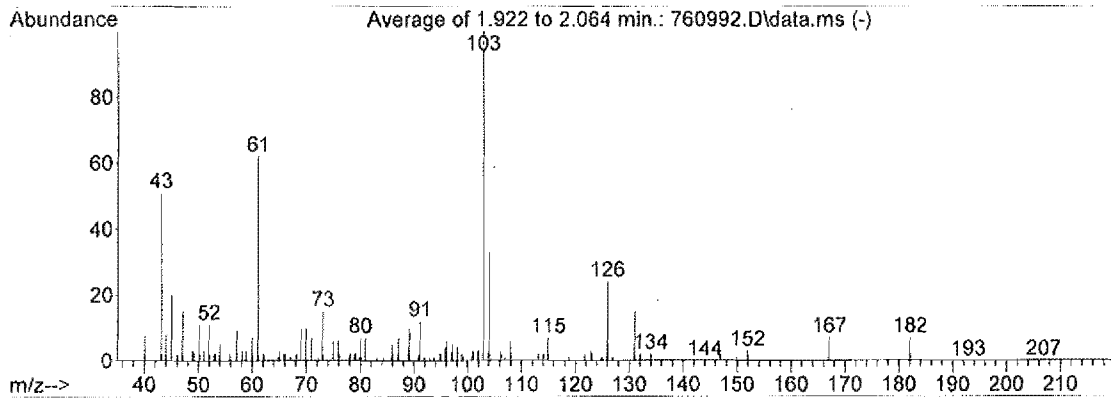
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760992.D
 Operator : KAC
 Date Acquired : 16 Dec 2010 7:27
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 92
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	1.95	C:\Database\PMW_TOX2.L		
		Monolinuron	001746-81-2	2
		Ethylacetate	@ 000141-78-6	2
		Metobromuron	003060-89-7	2



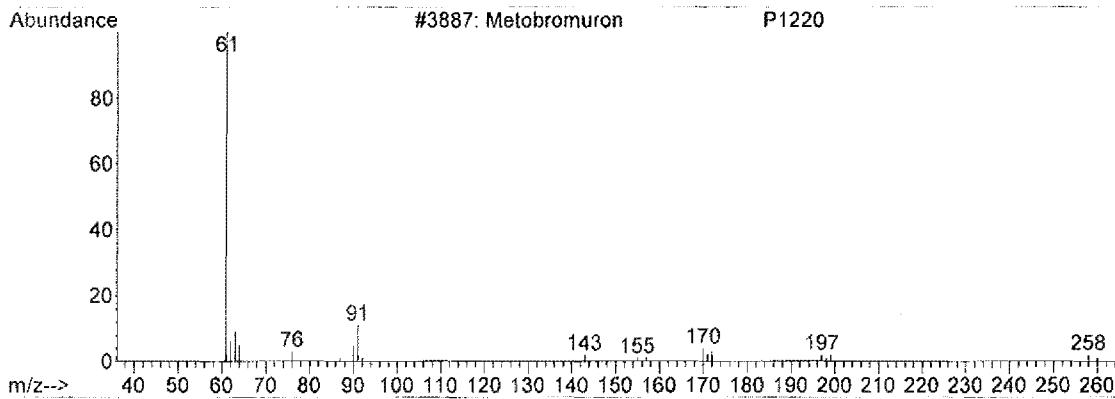
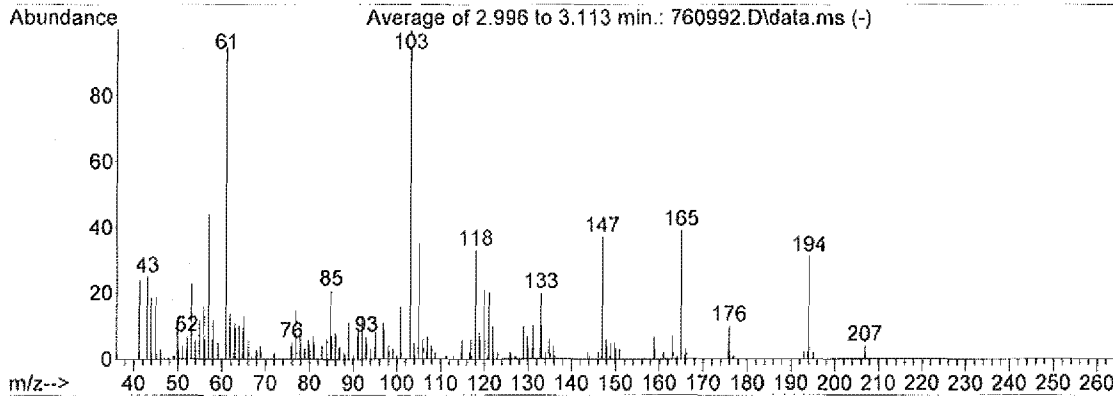
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760992.D
 Operator : KAC
 Date Acquired : 16 Dec 2010 7:27
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 92
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	3.02	C:\Database\PMW_TOX2.L		
		Metobromuron	003060-89-7	2
		Aminoethanol	000141-43-5	2
		Monolinuron	001746-81-2	1



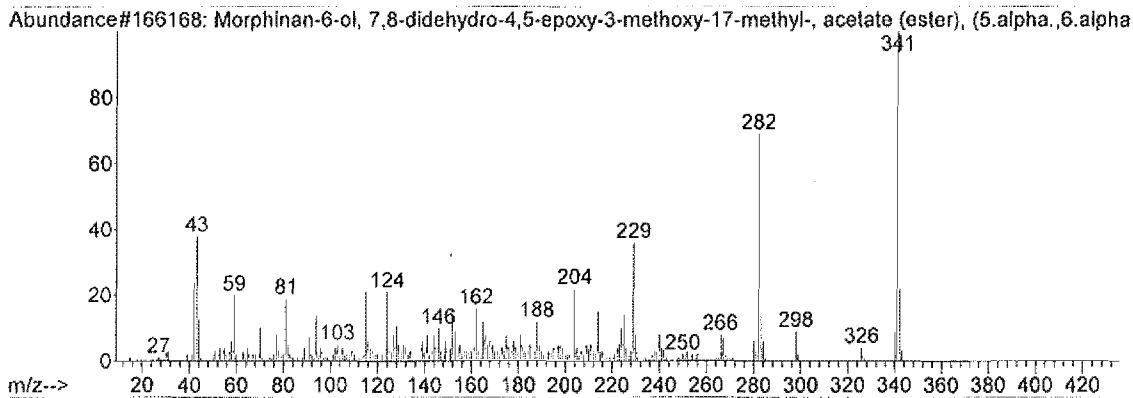
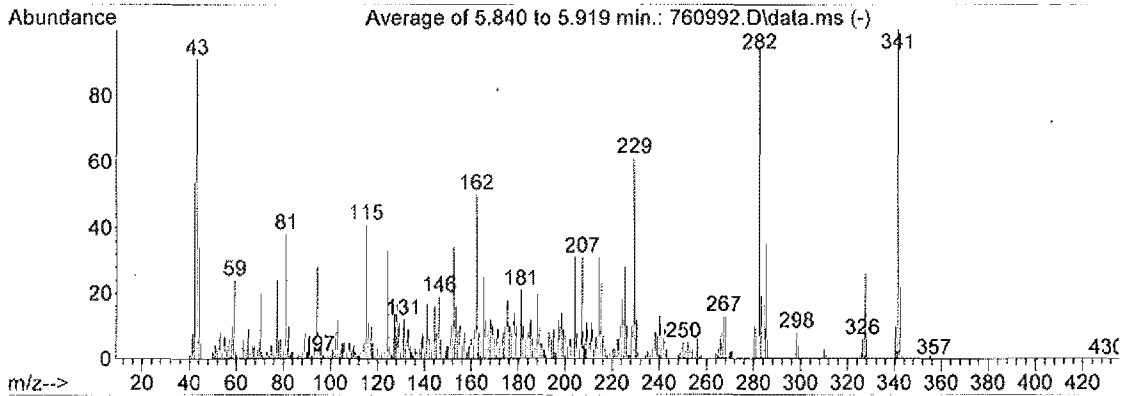
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760992.D
 Operator : KAC
 Date Acquired : 16 Dec 2010 7:27
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 92
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	5.89	C:\Database\NIST08.L		
		Morphinan-6-ol, 7,8-didehydro-4,5-e	006703-27-1	99
		Morphinan-6-ol, 7,8-didehydro-4,5-e	006703-27-1	99
		Morphinan-6-ol, 7,8-didehydro-4,5-e	006703-27-1	98

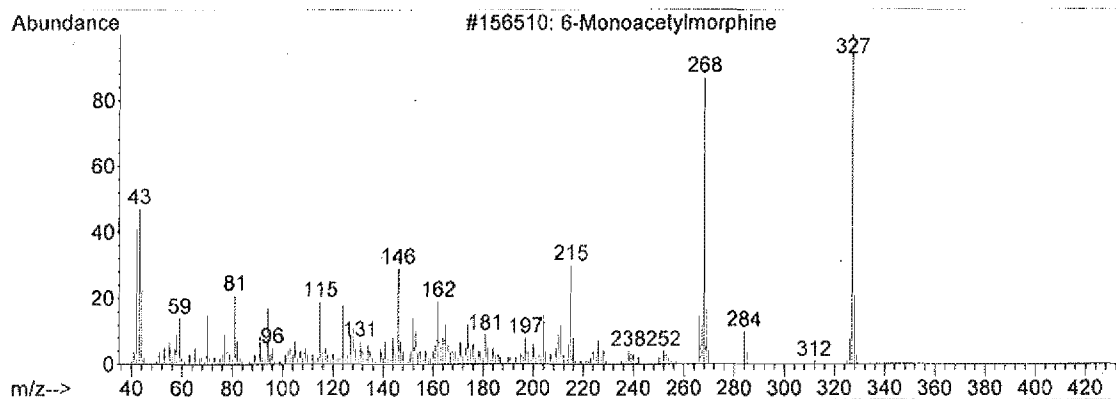
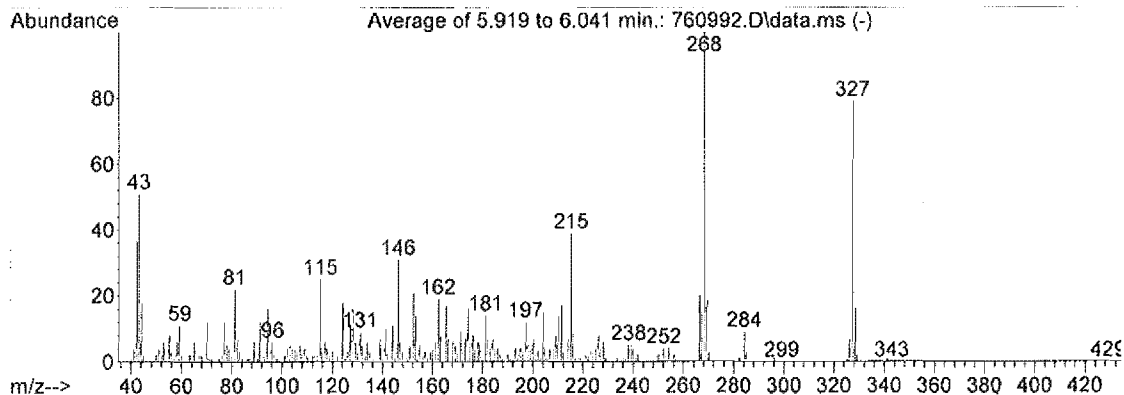


Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760992.D
Operator : KAC
Date Acquired : 16 Dec 2010 7:27
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 92
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
4	5.95	C:\Database\NIST08.L		
		6-Monoacetylmorphine	002784-73-8	99
		6-Monoacetylmorphine	002784-73-8	99
		6-Monoacetylmorphine	002784-73-8	99



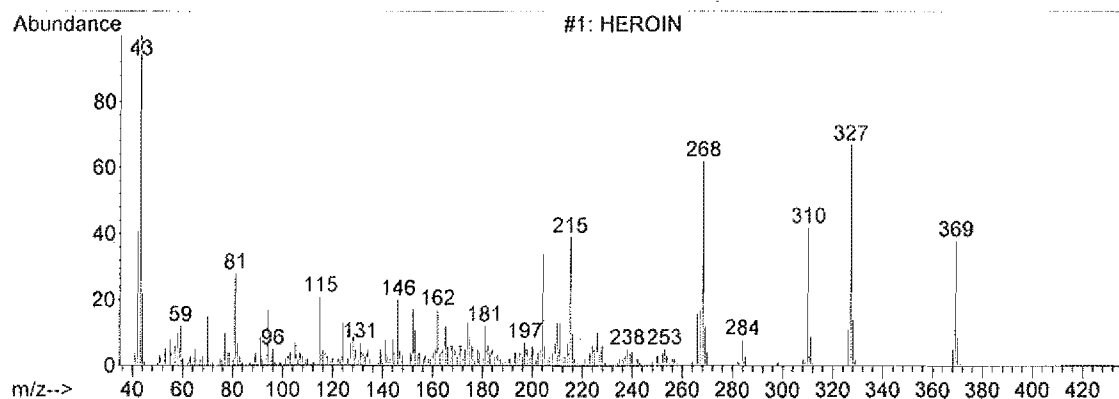
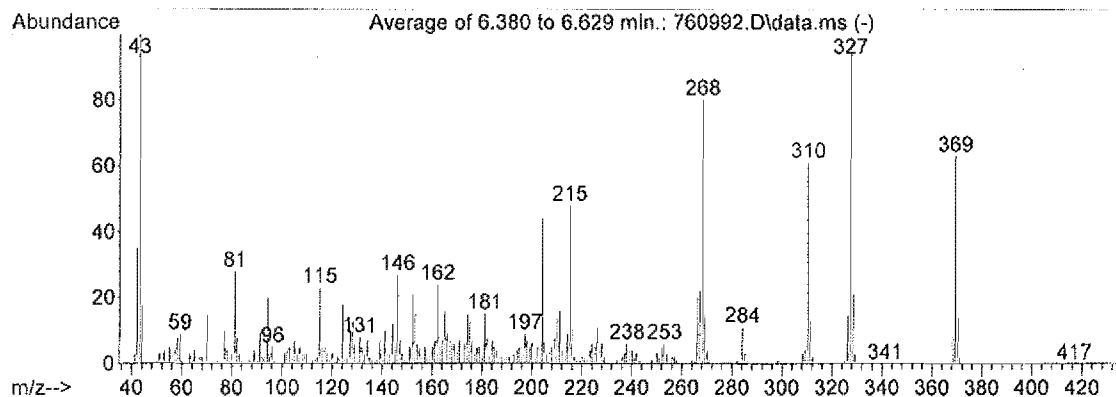
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760992.D
Operator : KAC
Date Acquired : 16 Dec 2010 7:27
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 92
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
5	6.45	C:\Database\SLI.L HEROIN	000561-27-3	99

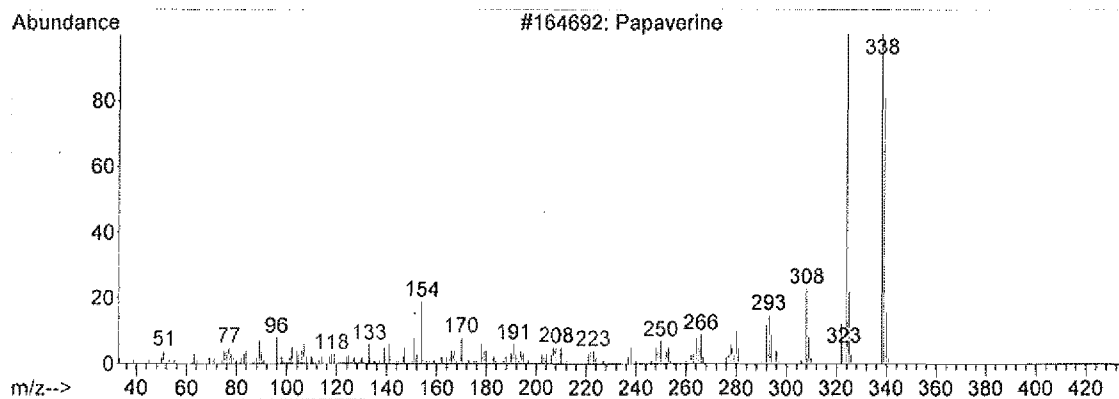
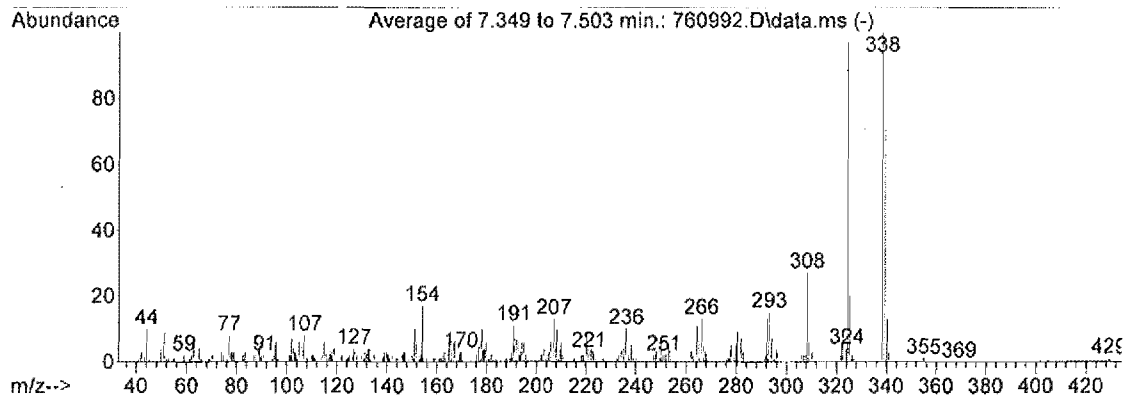


Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760992.D
Operator : KAC
Date Acquired : 16 Dec 2010 7:27
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 92
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
6	7.39	C:\Database\NIST08.L		
		Papaverine	000058-74-2	97
		Papaverine	000058-74-2	97
		Papaverine	000058-74-2	96

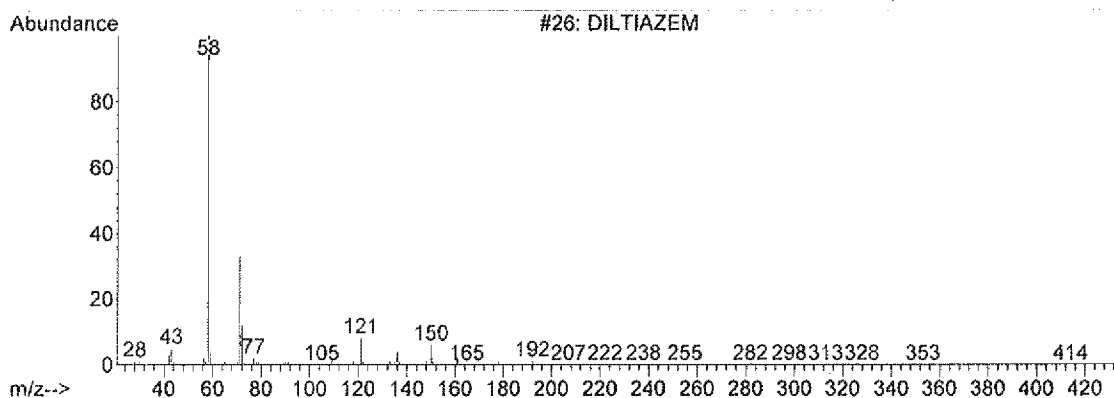
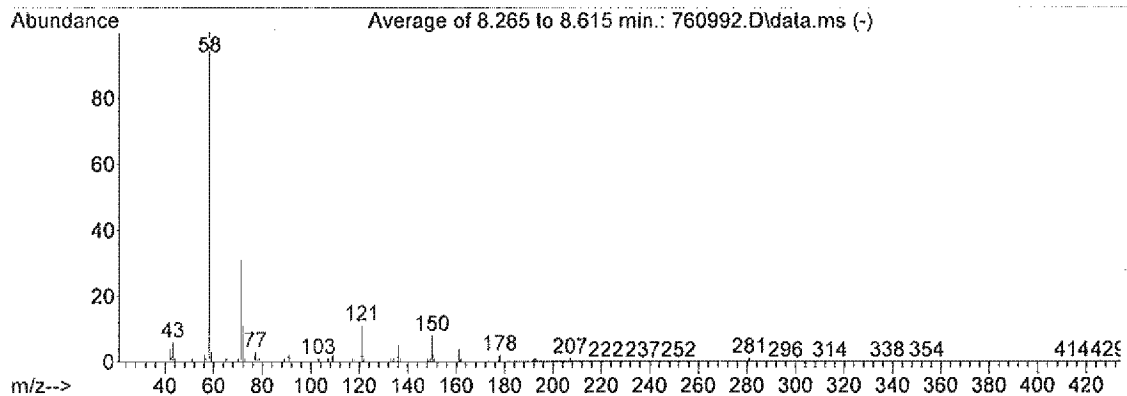


Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760992.D
Operator : KAC
Date Acquired : 16 Dec 2010 7:27
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 92
AcquisitionMeth: DRUGS.M
Integrator : RTE

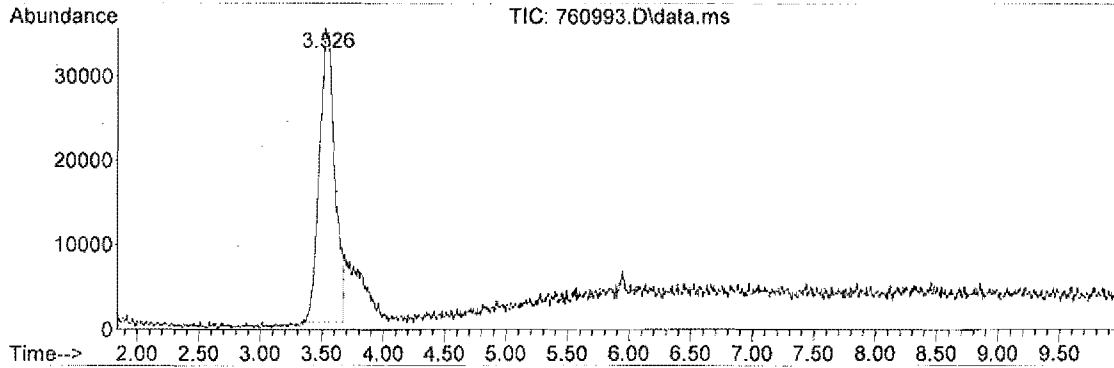
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
7	8.34	C:\Database\SLI.L		
		DILTIAZEM	033286-22-5	91
		ORPHENADRINE	000083-98-7	4
		CITALOPRAM	059729-33-8	2



Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760993.D
Operator : KAC
Date Acquired : 16 Dec 2010 7:39
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE



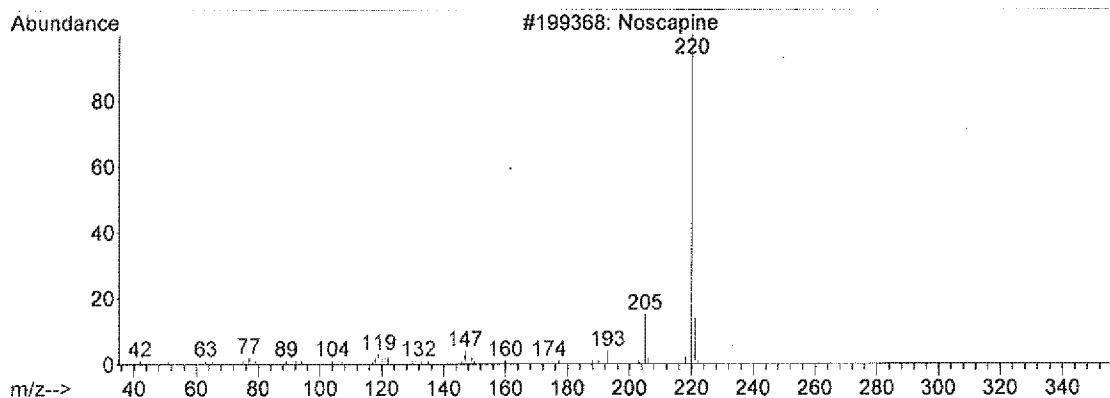
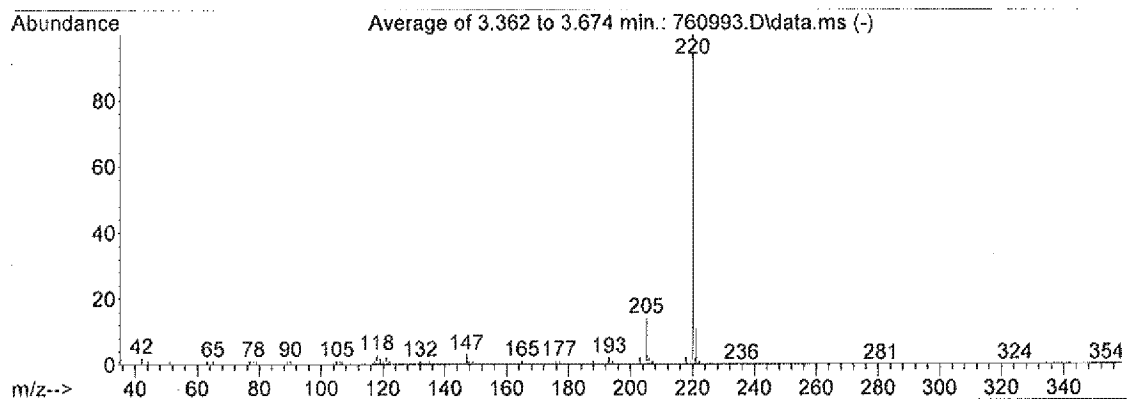
Ret. Time	Area	Area %	Ratio %
3.526	300951	100.00	100.00

Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760993.D
Operator : KAC
Date Acquired : 16 Dec 2010 7:39
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE

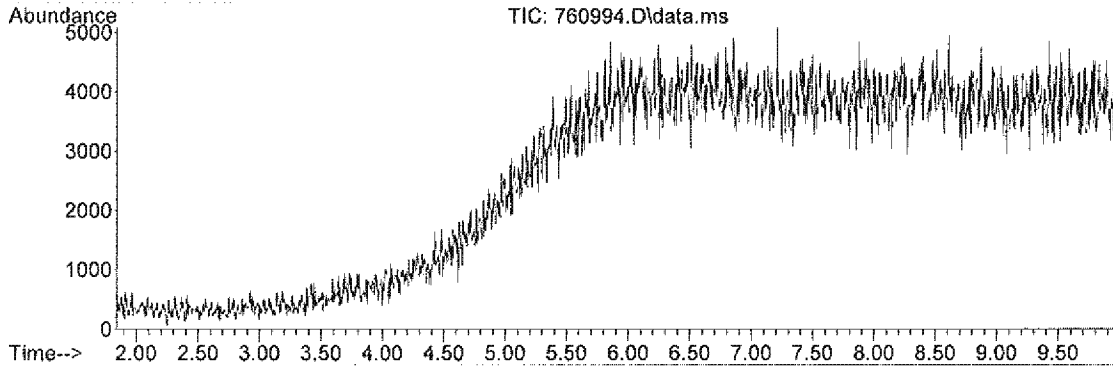
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	3.53	C:\Database\NIST08.L		
		Noscapine	000128-62-1	91
		Noscapine	000128-62-1	87
		Noscapine	000128-62-1	72



Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760994.D
Operator : KAC
Date Acquired : 16 Dec 2010 7:52
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE

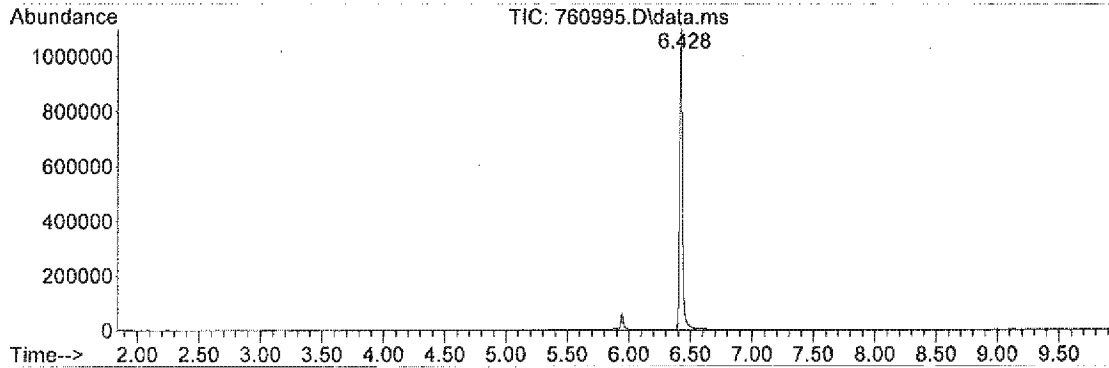


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760995.D
Operator : KAC
Date Acquired : 16 Dec 2010 8:04
Sample Name : HEROIN STD
Submitted by :
Vial Number : 95
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.428	1667711	100.00	100.00

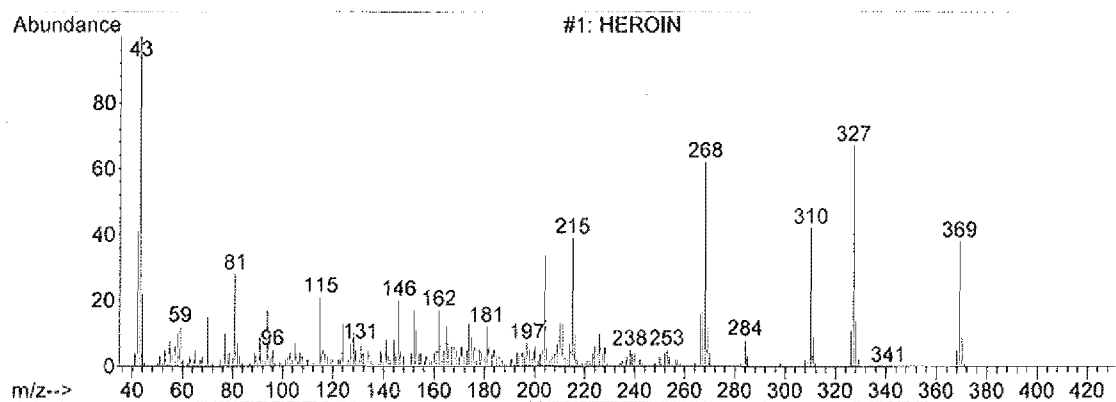
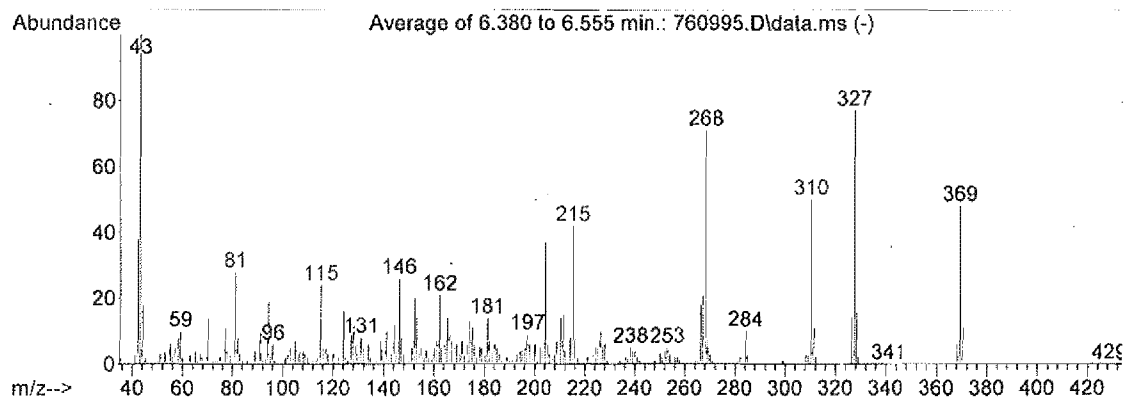
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760995.D
 Operator : KAC
 Date Acquired : 16 Dec 2010 8:04
 Sample Name : HEROIN STD
 Submitted by :
 Vial Number : 95
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

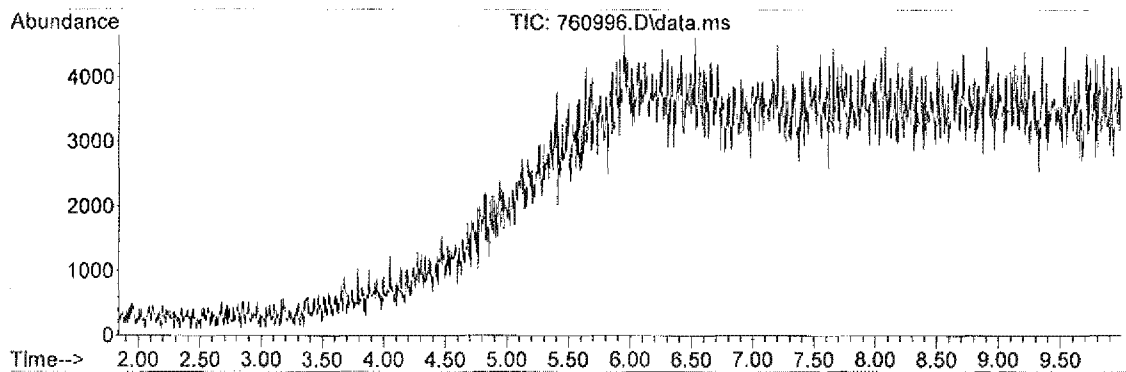
PK#	RT	Library/ID	CAS#	Qual
1	6.43	C:\Database\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760996.D
Operator : KAC
Date Acquired : 16 Dec 2010 8:17
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE

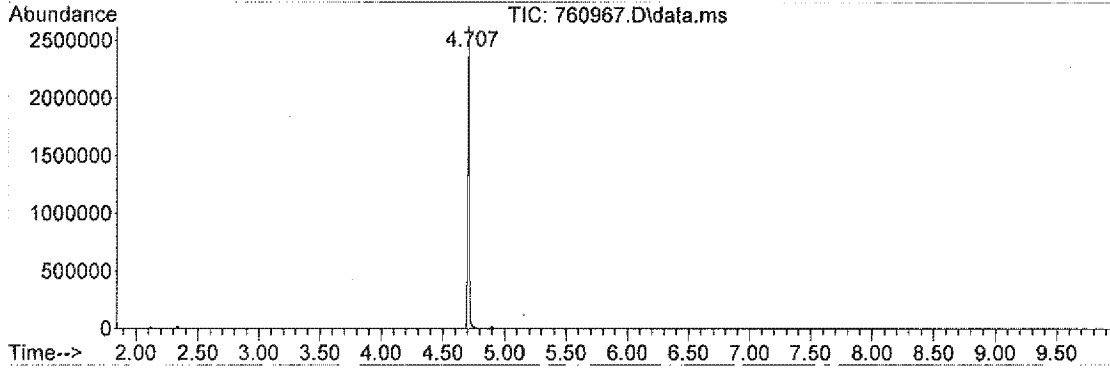


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760967.D
 Operator : KAC
 Date Acquired : 16 Dec 2010 2:11
 Sample Name : COCAINE STD
 Submitted by :
 Vial Number : 67
 AcquisitionMeth: DRUGS.M
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.707	2390516	100.00	100.00

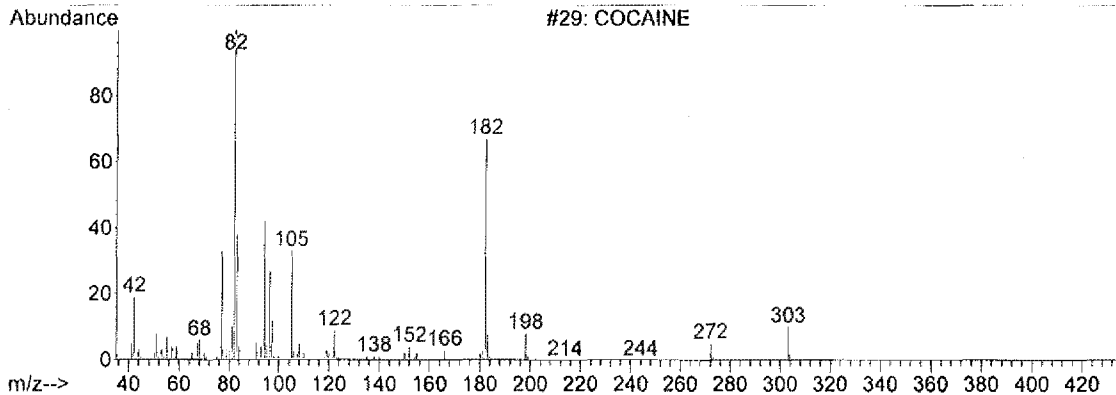
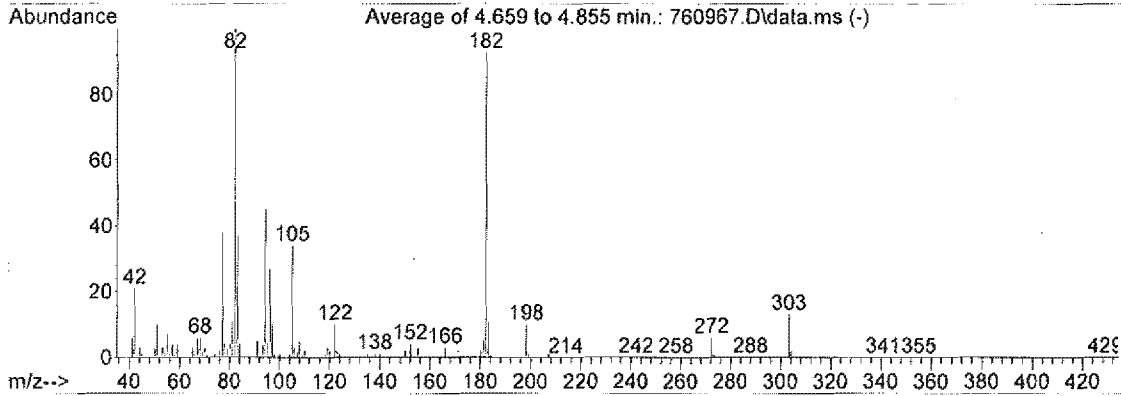
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760967.D
 Operator : KAC
 Date Acquired : 16 Dec 2010 2:11
 Sample Name : COCAINE STD
 Submitted by :
 Vial Number : 67
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

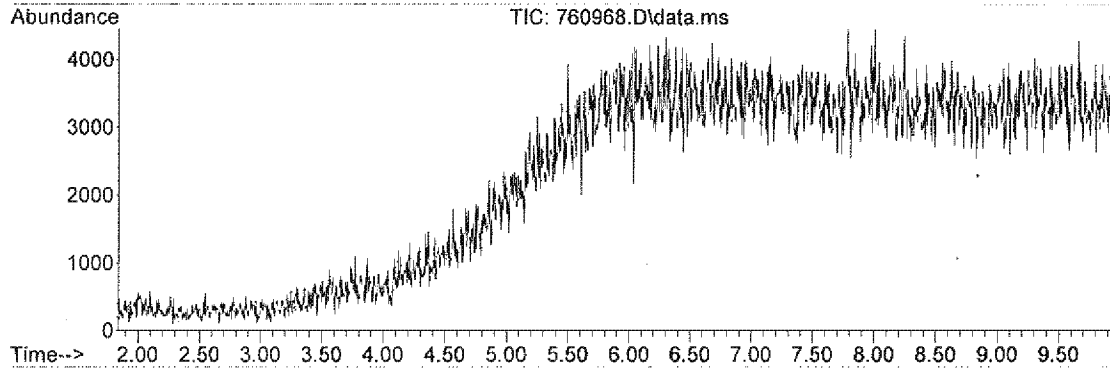
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.71	C:\Database\SLI.L COCAINE	000050-36-2	99



Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760968.D
Operator : KAC
Date Acquired : 16 Dec 2010 2:24
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE

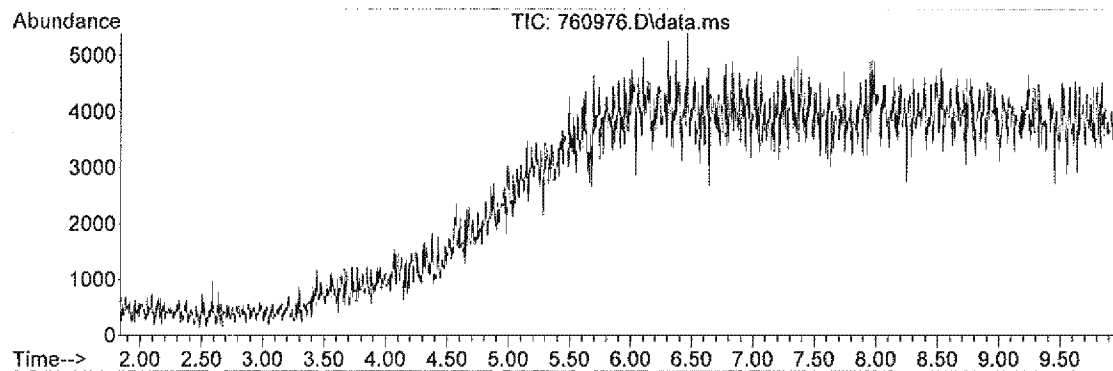


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760976.D
Operator : KAC
Date Acquired : 16 Dec 2010 4:05
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE

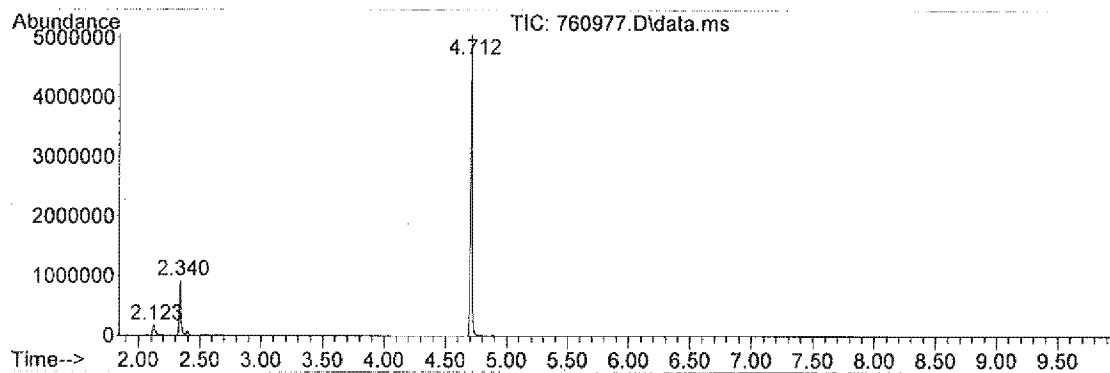


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760977.D
Operator : KAC
Date Acquired : 16 Dec 2010 4:17
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 77
AcquisitionMeth: DRUGS.M
Integrator : RTE



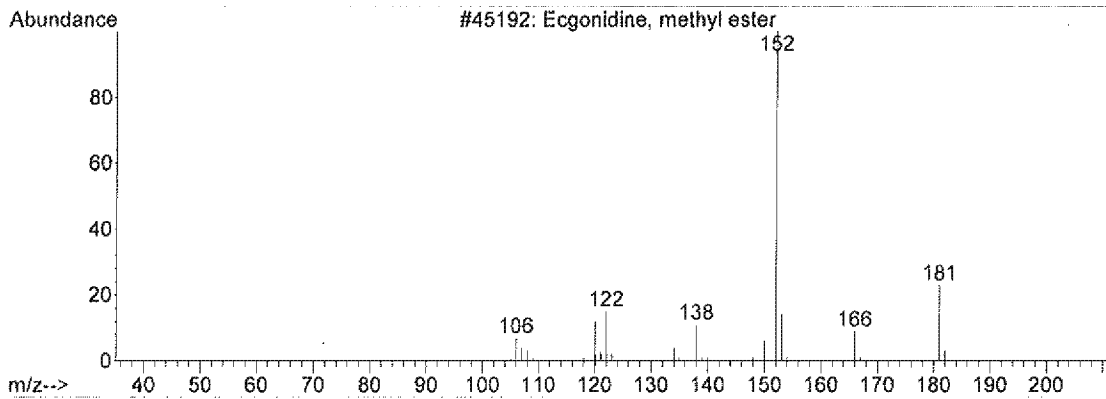
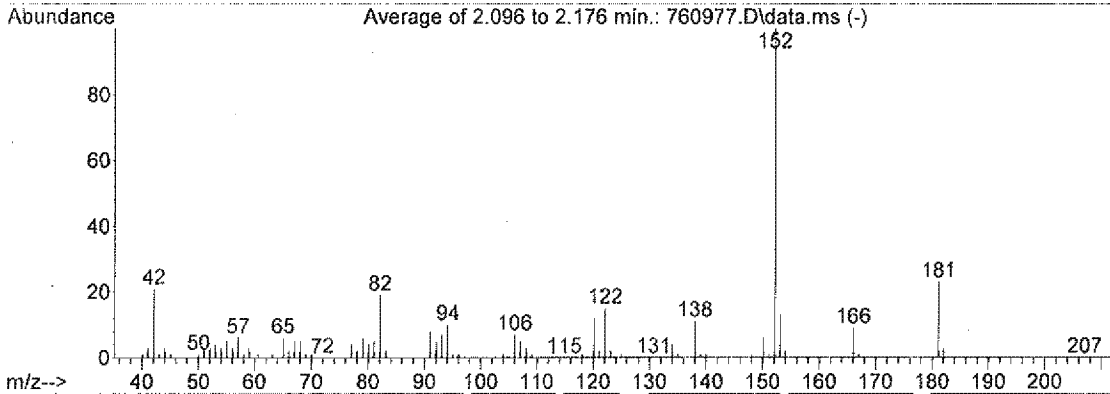
Ret. Time	Area	Area %	Ratio %
2.123	257402	4.32	5.38
2.340	910277	15.28	19.01
4.712	4787749	80.39	100.00

Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760977.D
Operator : KAC
Date Acquired : 16 Dec 2010 4:17
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 77
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.12	C:\Database\NIST08.L		
		Ecgonidine, methyl ester	127379-24-2	98
		2-Carbomethoxy-8-methyl-8-azabicycl	043021-26-7	86
		2(1H)-Pyridinone, 4-hydroxy-6-methy	007135-82-2	38

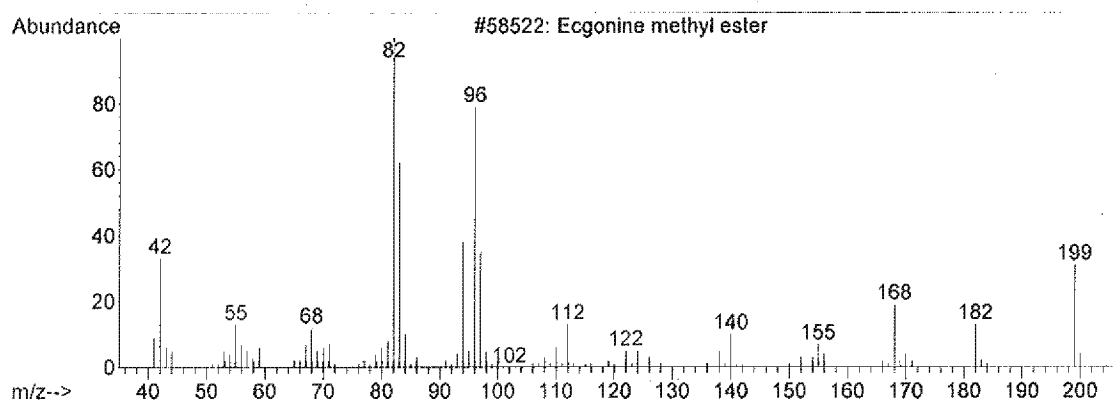
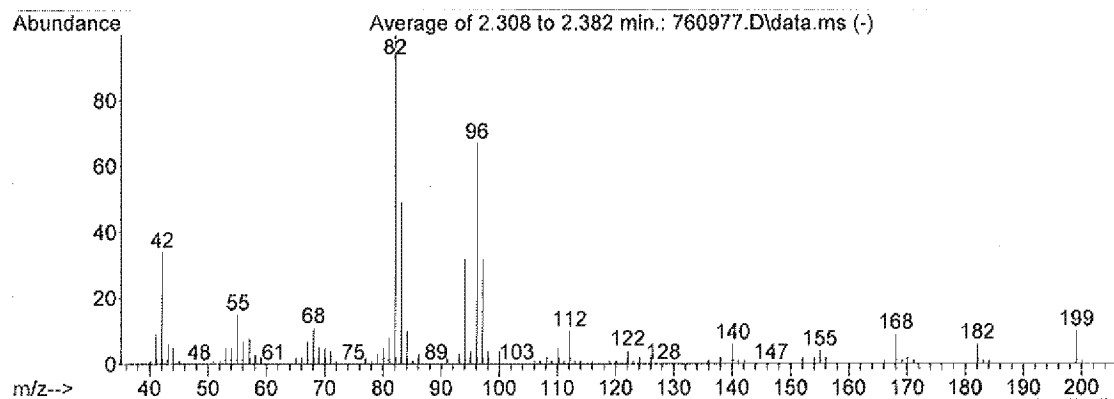


Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760977.D
Operator : KAC
Date Acquired : 16 Dec 2010 4:17
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 77
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	2.34	C:\Database\NIST08.L		
		Ecgonine methyl ester	106293-60-1	98
		Ecgonine methyl ester	106293-60-1	98
		Ecgonine methyl ester	106293-60-1	98



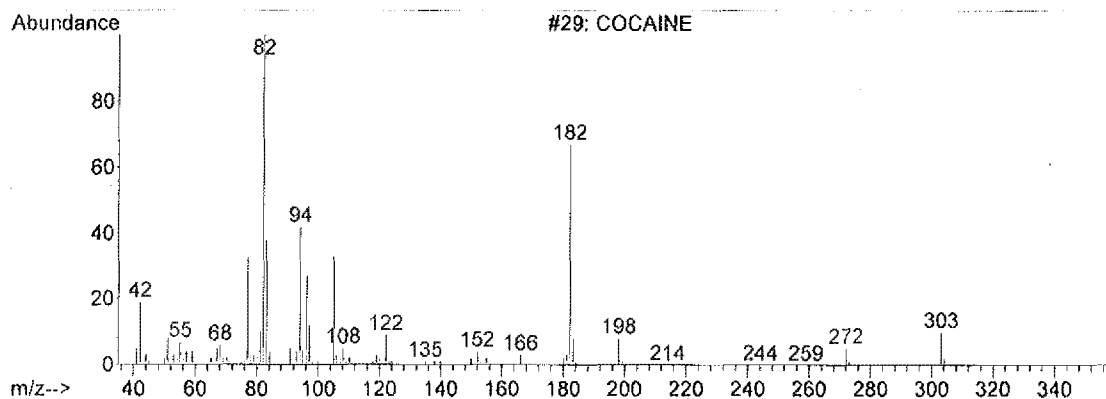
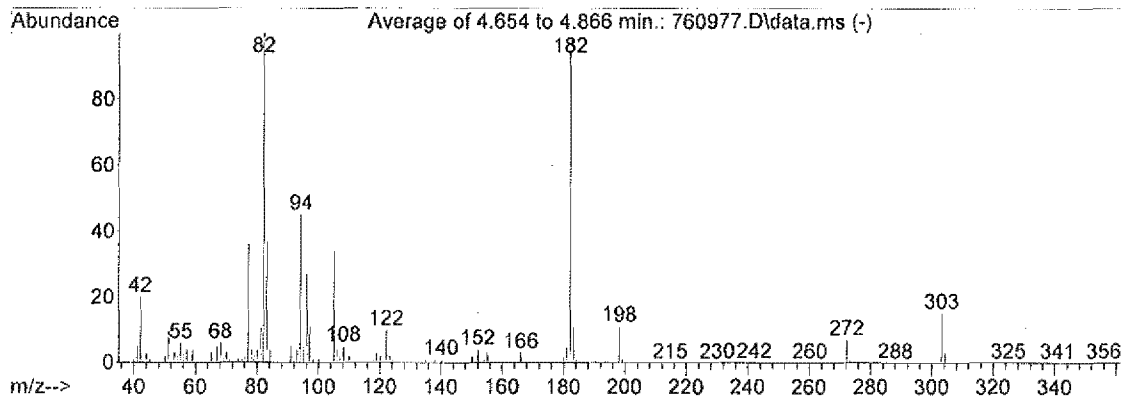
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760977.D
 Operator : KAC
 Date Acquired : 16 Dec 2010 4:17
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 77
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

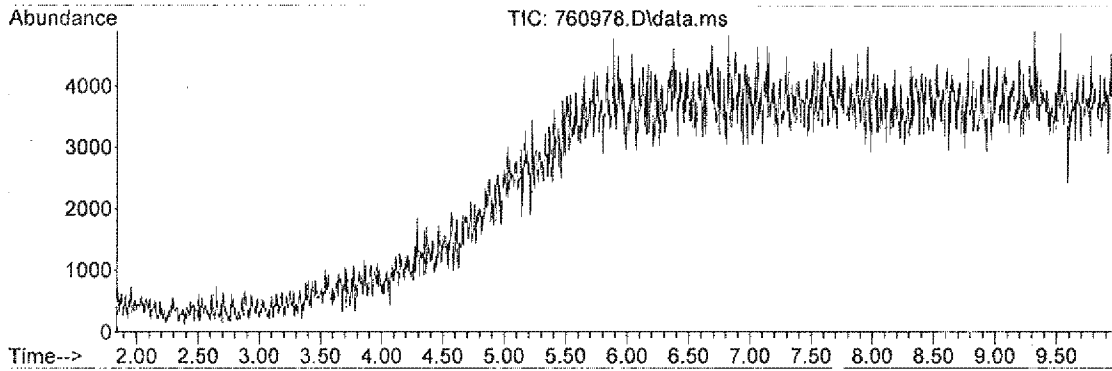
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	4.71	C:\Database\SLI.L COCAINE	000050-36-2	99



Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760978.D
Operator : KAC
Date Acquired : 16 Dec 2010 4:30
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE



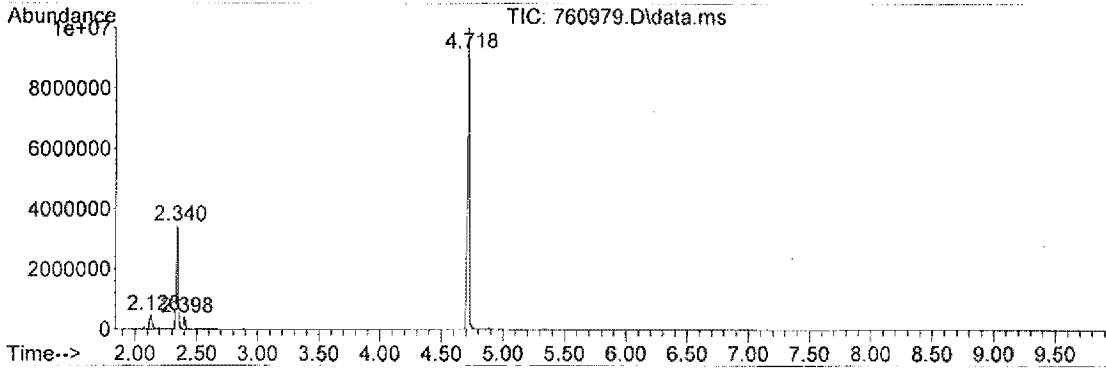
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760979.D
 Operator : KAC
 Date Acquired : 16 Dec 2010 4:43
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 79
 AcquisitionMeth: DRUGS.M
 Integrator : RTE



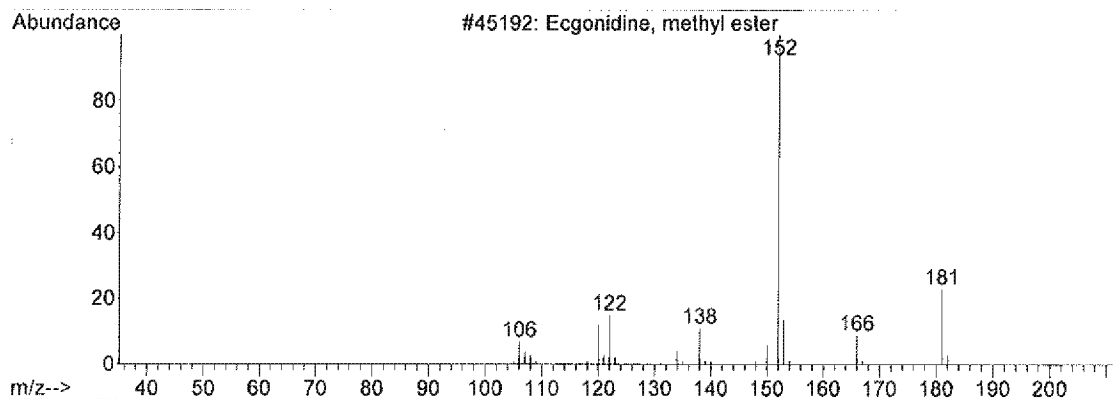
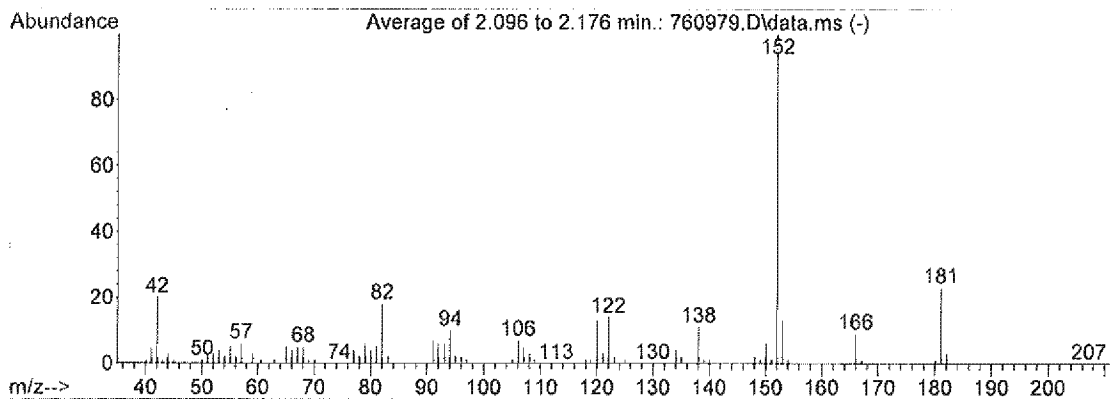
Ret. Time	Area	Area %	Ratio %
2.128	689261	4.30	6.16
2.340	3703683	23.12	33.09
2.398	433983	2.71	3.88
4.718	11192712	69.87	100.00

Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760979.D
Operator : KAC
Date Acquired : 16 Dec 2010 4:43
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 79
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.13	C:\Database\NIST08.L		
		Ecgonidine, methyl ester	127379-24-2	98
		2-Carbomethoxy-8-methyl-8-azabicycl	043021-26-7	83
		3,5-Dimethoxyphenethylamine	003213-28-3	49



Information from Data File:

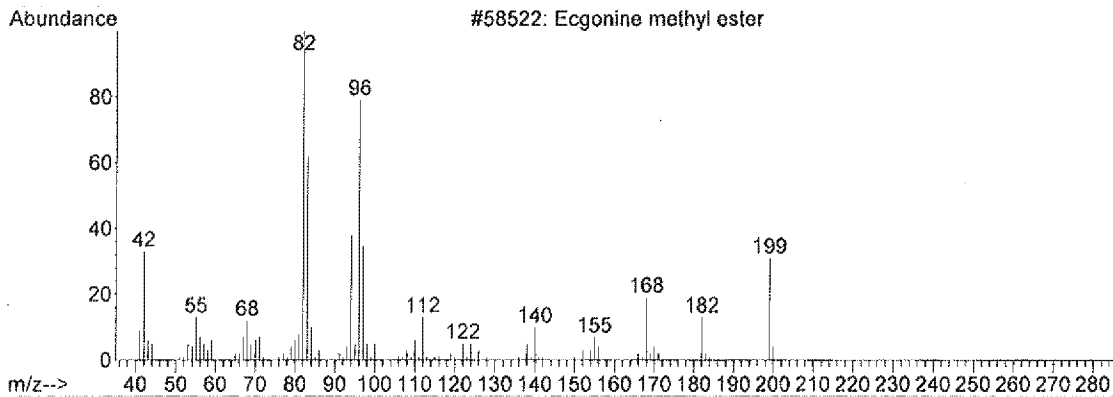
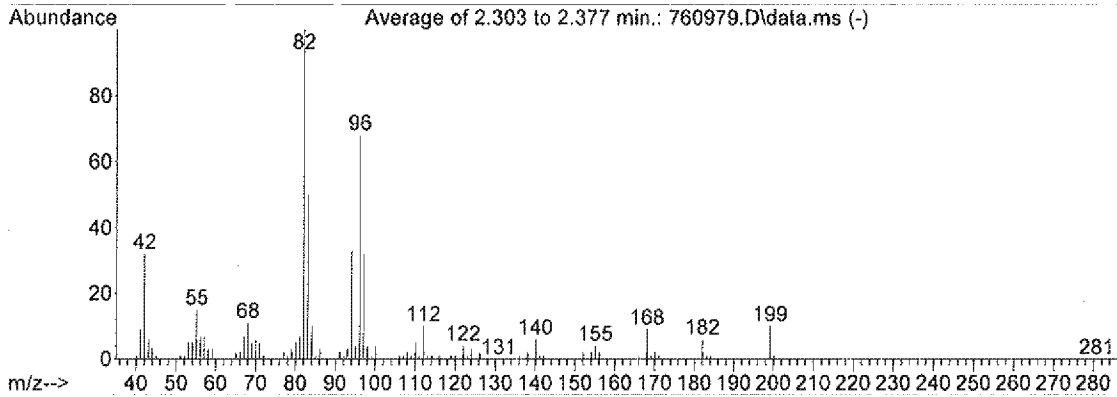
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File Name       : F:\Q4-2010\SYSTEM7\12_15_10\760979.D
Operator        : KAC
Date Acquired   : 16 Dec 2010   4:43
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 79
AcquisitionMeth : DRUGS.M
Integrator      : RTE
    
```

```

Search Libraries: C:\Database\SLI.L           Minimum Quality: 80
                  C:\Database\NIST08.L        Minimum Quality: 80
                  C:\Database\PMW_TOX2.L
    
```

PK#	RT	Library/ID	CAS#	Qual
2	2.34	C:\Database\NIST08.L		
		Ecgonine methyl ester	106293-60-1	98
		Ecgonine methyl ester	106293-60-1	98
		Ecgonine methyl ester	106293-60-1	98

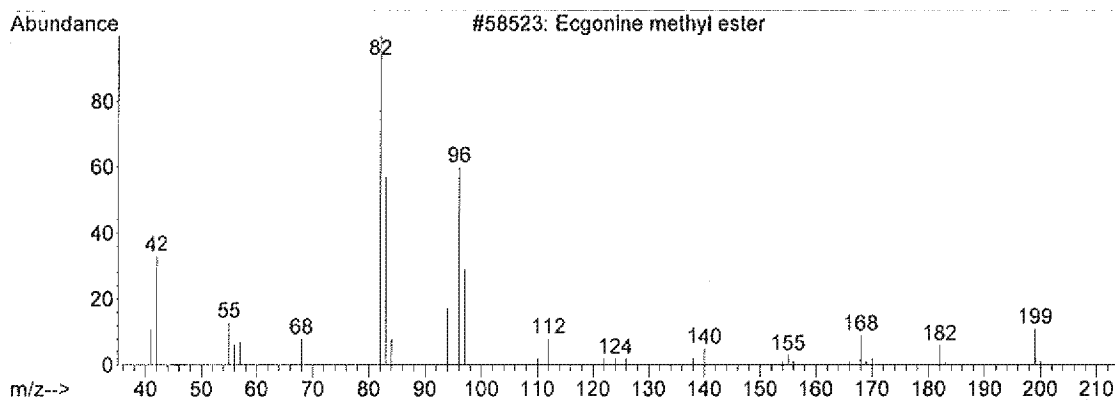
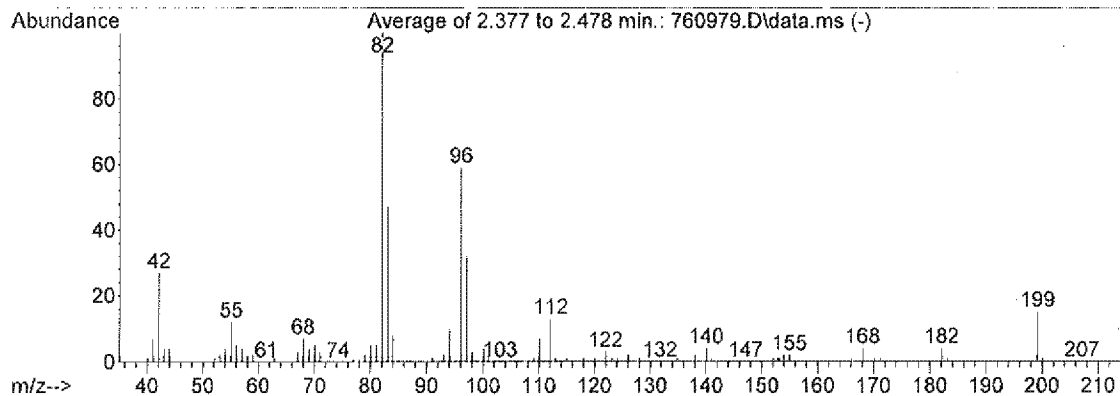


Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760979.D
Operator : KAC
Date Acquired : 16 Dec 2010 4:43
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 79
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	2.40	C:\Database\NIST08.L		
		Ecgonine methyl ester	106293-60-1	87
		Ecgonine methyl ester	106293-60-1	86
		Tropine N-oxide	035722-43-1	72

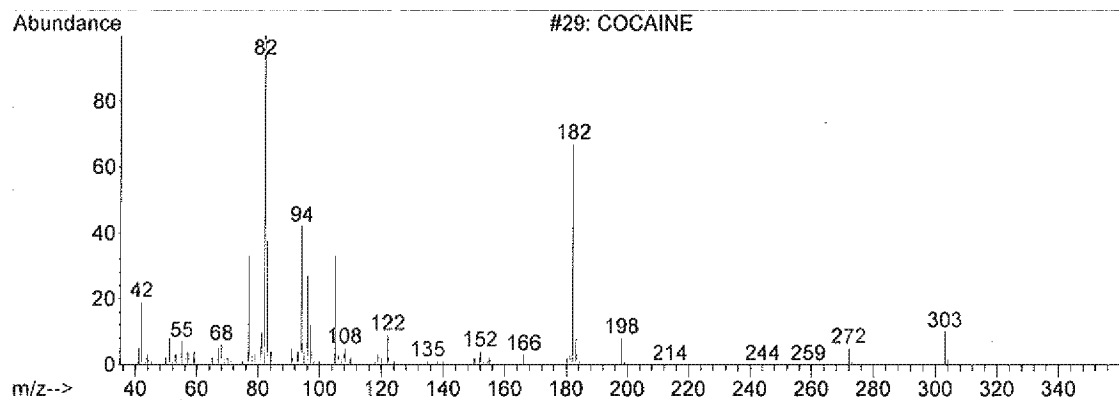
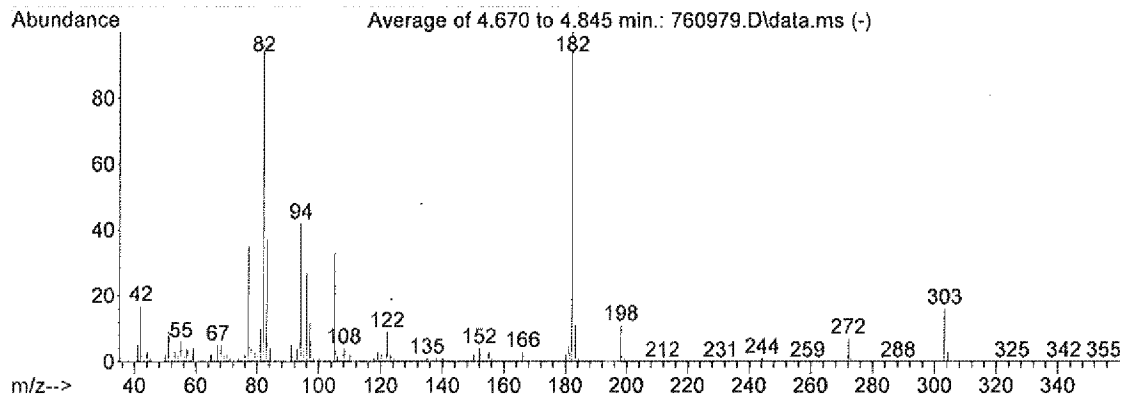


Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760979.D
Operator : KAC
Date Acquired : 16 Dec 2010 4:43
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 79
AcquisitionMeth: DRUGS.M
Integrator : RTE

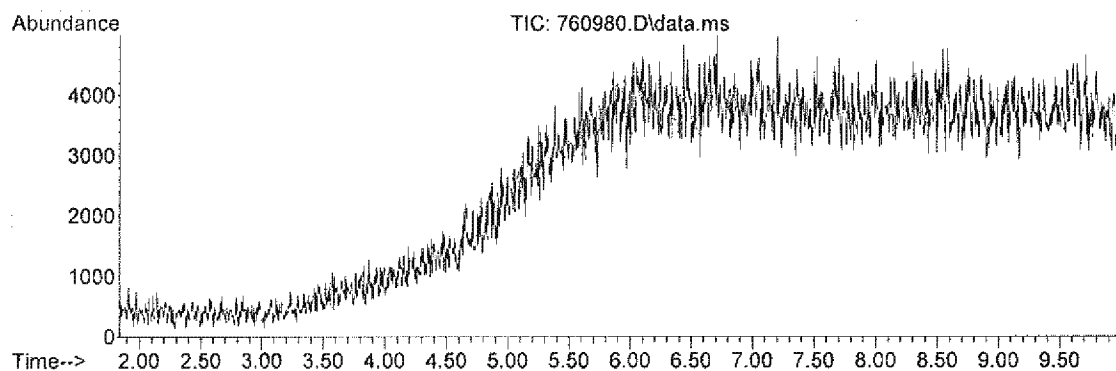
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
4	4.72	C:\Database\SLI.L COCAINE	000050-36-2	99



Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760980.D
Operator : KAC
Date Acquired : 16 Dec 2010 4:55
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE

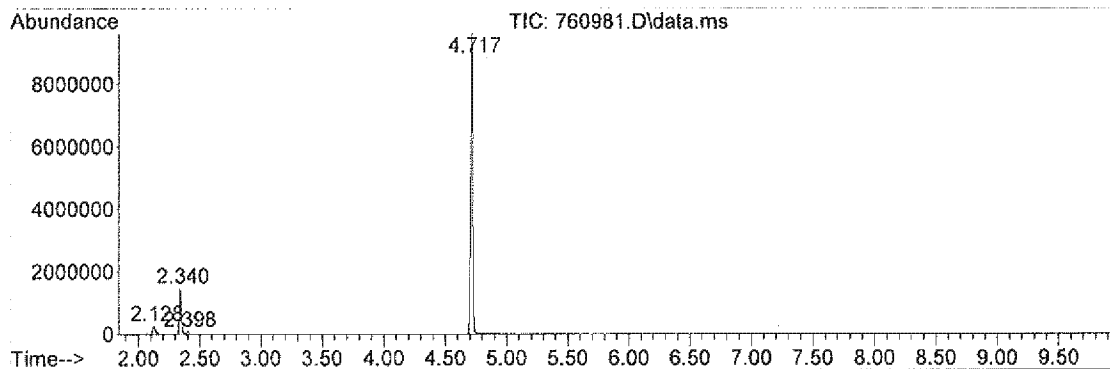


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760981.D
Operator : KAC
Date Acquired : 16 Dec 2010 5:08
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 81
AcquisitionMeth: DRUGS.M
Integrator : RTE



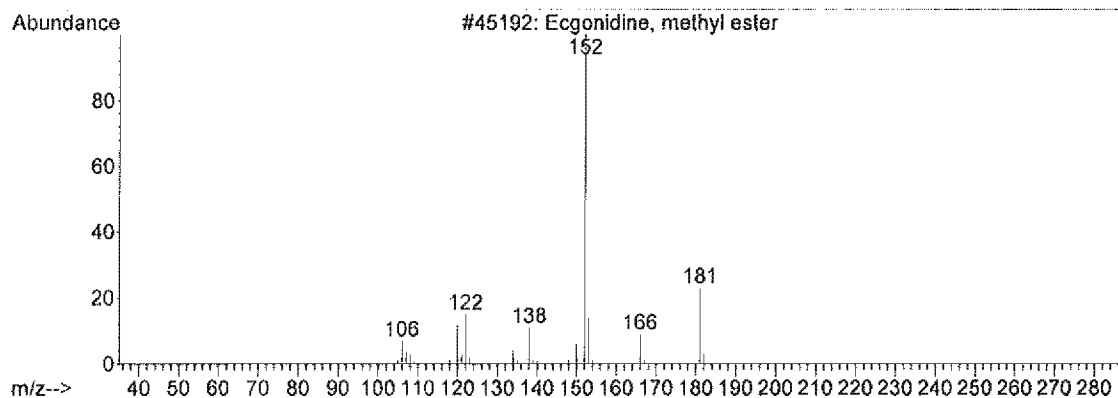
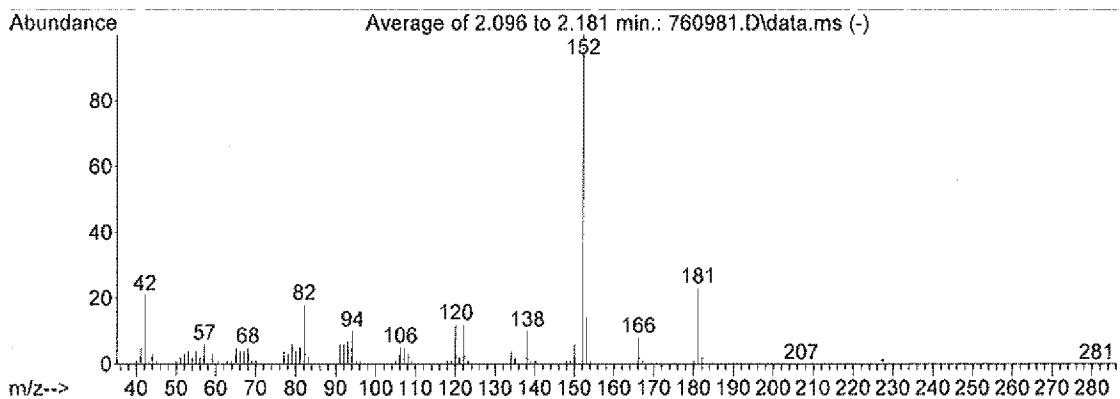
Ret. Time	Area	Area %	Ratio %
2.128	412991	3.20	3.80
2.340	1515817	11.73	13.94
2.398	117291	0.91	1.08
4.717	10872435	84.16	100.00

Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760981.D
Operator : KAC
Date Acquired : 16 Dec 2010 5:08
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 81
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.13	C:\Database\NIST08.L		
		Ecgonidine, methyl ester	127379-24-2	98
		2-Carbomethoxy-8-methyl-8-azabicycl	043021-26-7	83
		5-Methyl-2-nitroaniline	000578-46-1	47

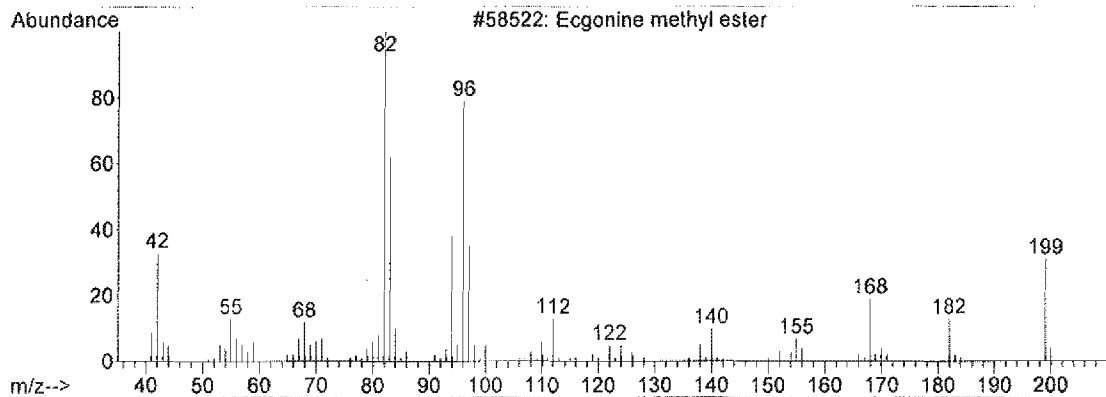
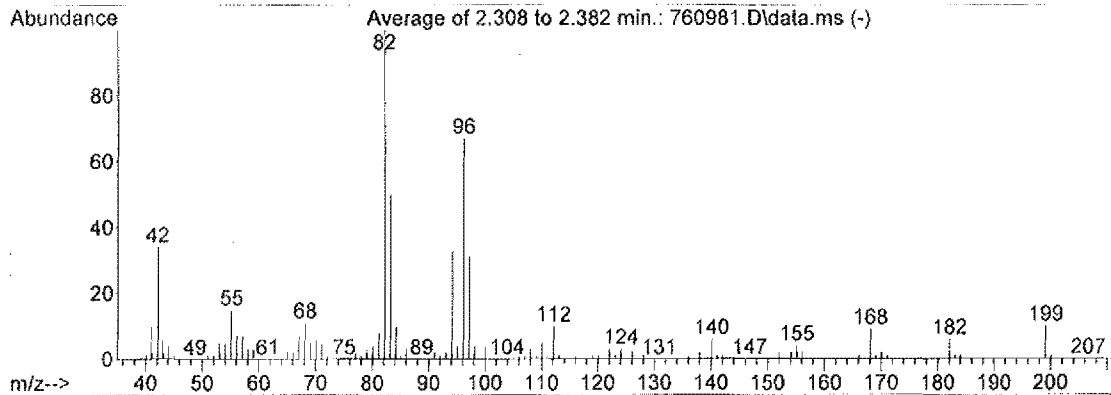


Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760981.D
Operator : KAC
Date Acquired : 16 Dec 2010 5:08
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 81
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	2.34	C:\Database\NIST08.L		
		Ecgonine methyl ester	106293-60-1	98
		Ecgonine methyl ester	106293-60-1	98
		Ecgonine methyl ester	106293-60-1	98

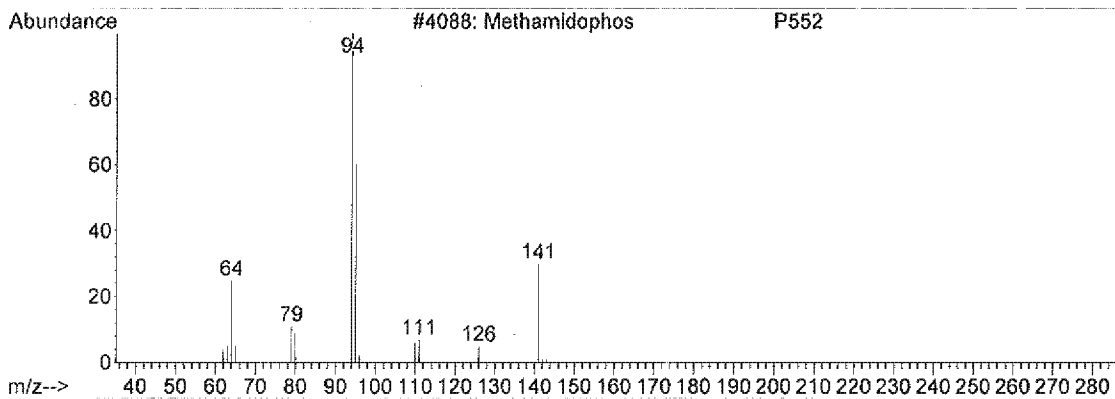
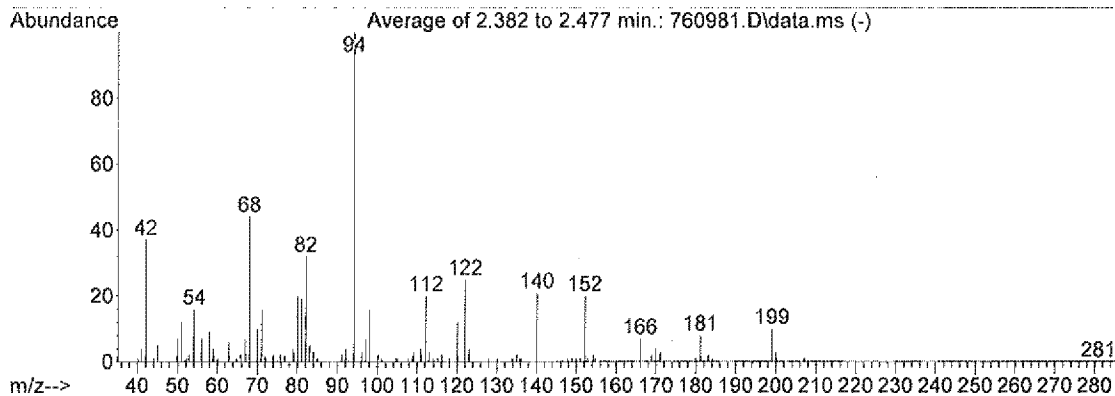


Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760981.D
Operator : KAC
Date Acquired : 16 Dec 2010 5:08
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 81
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	2.40	C:\Database\PMW_TOX2.L		
		Methamidophos	010265-92-6	4
		Amantadine	000768-94-5	2

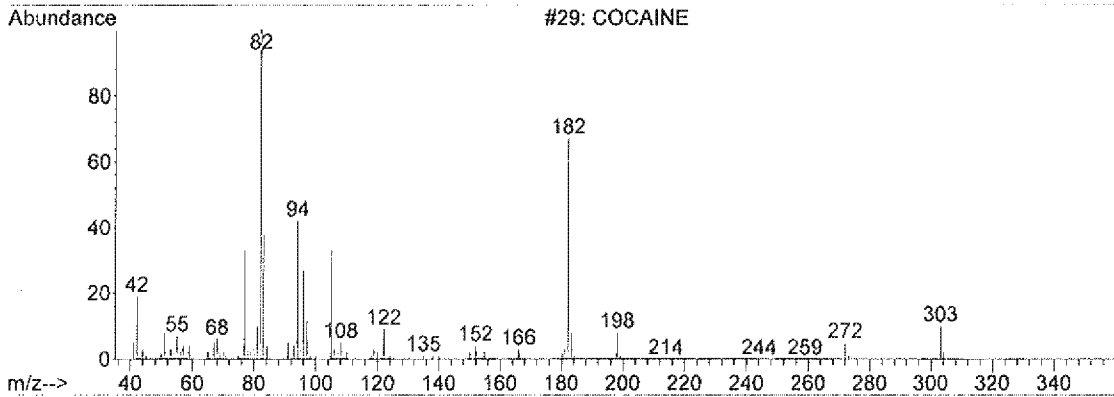
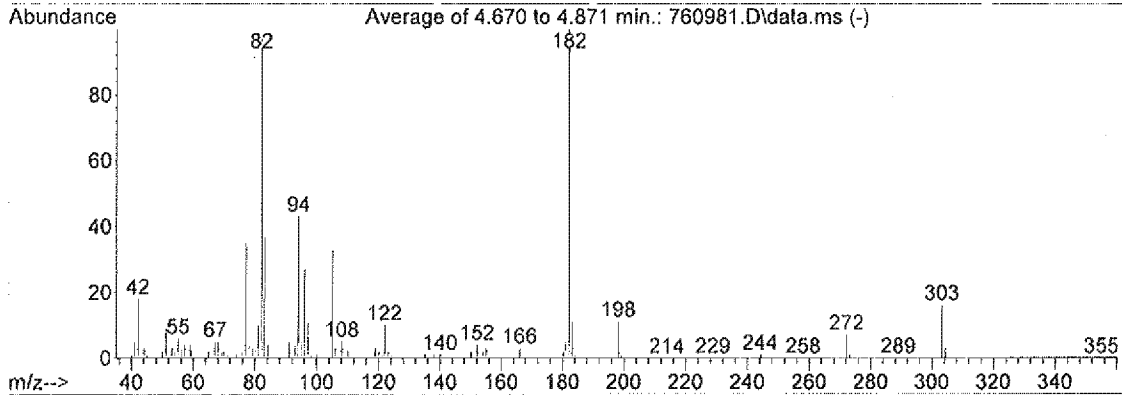


Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760981.D
Operator : KAC
Date Acquired : 16 Dec 2010 5:08
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 81
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

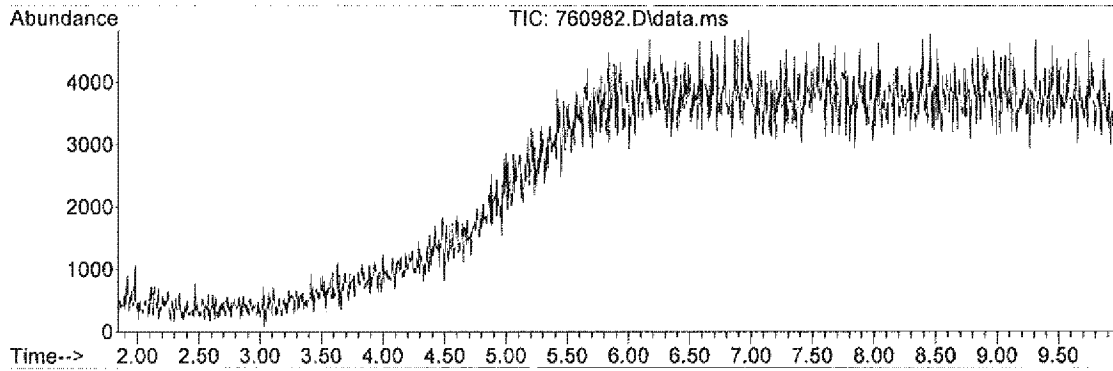
PK#	RT	Library/ID	CAS#	Qual
4	4.72	C:\Database\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760982.D
Operator : KAC
Date Acquired : 16 Dec 2010 5:20
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE



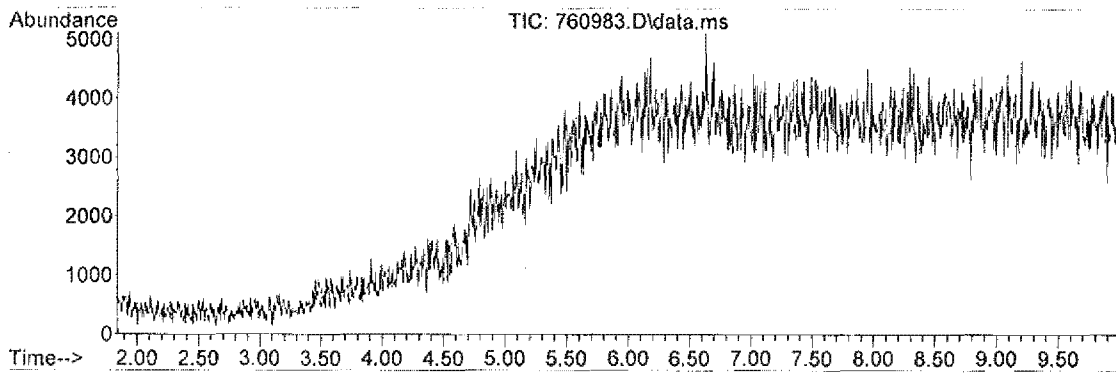
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760983.D
Operator : KAC
Date Acquired : 16 Dec 2010 5:33
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE



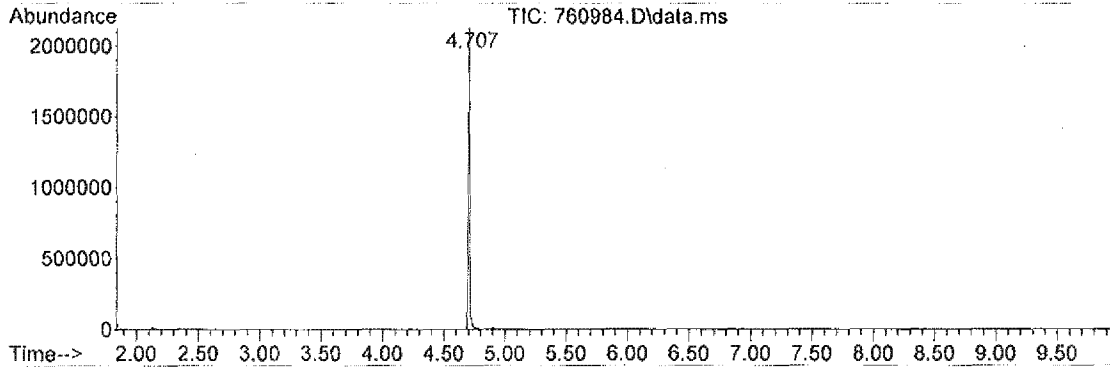
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760984.D
 Operator : KAC
 Date Acquired : 16 Dec 2010 5:46
 Sample Name : COCAINE STD
 Submitted by :
 Vial Number : 84
 AcquisitionMeth: DRUGS.M
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.707	1929841	100.00	100.00

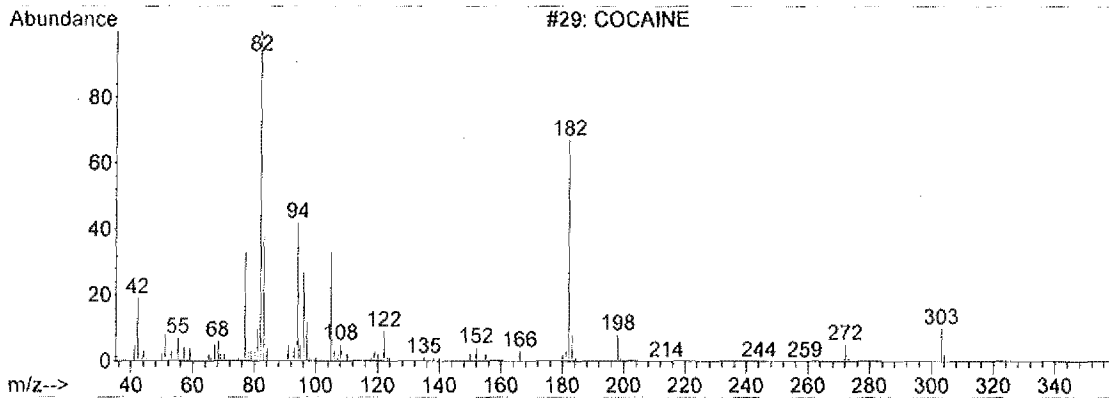
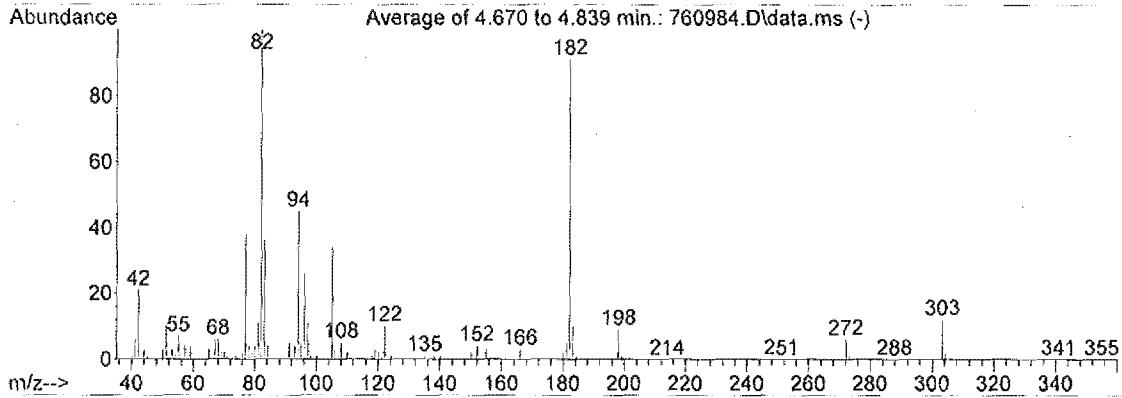
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760984.D
 Operator : KAC
 Date Acquired : 16 Dec 2010 5:46
 Sample Name : COCAINE STD
 Submitted by :
 Vial Number : 84
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

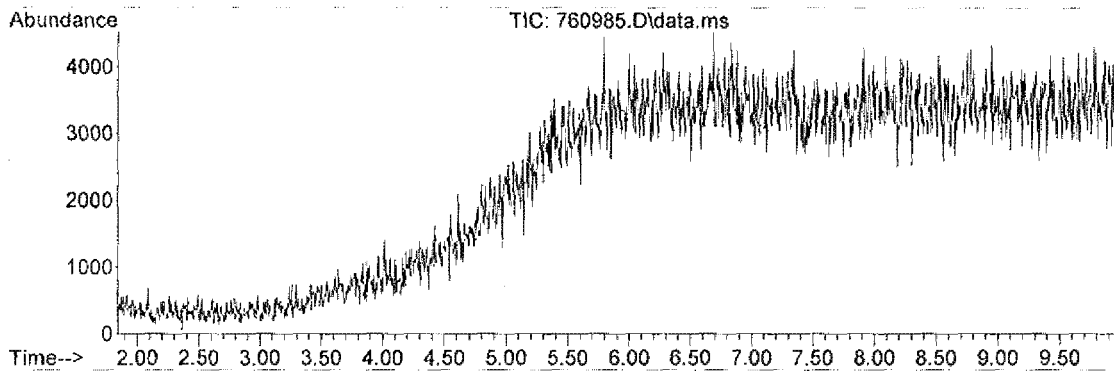
PK#	RT	Library/ID	CAS#	Qual
1	4.71	C:\Database\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM7\12_15_10\760985.D
Operator : KAC
Date Acquired : 16 Dec 2010 5:58
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS